



Full wwPDB EM Validation Report ⓘ

Nov 15, 2022 – 09:18 AM JST

PDB ID : 6L4T
EMDB ID : EMD-0834
Title : Structure of the peripheral FCPI from diatom
Authors : Nagao, R.; Kato, K.; Miyazaki, N.; Akita, F.; Shen, J.R.
Deposited on : 2019-10-21
Resolution : 2.60 Å (reported)

This is a Full wwPDB EM Validation Report for a publicly released PDB entry.

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

<https://www.wwpdb.org/validation/2017/EMValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

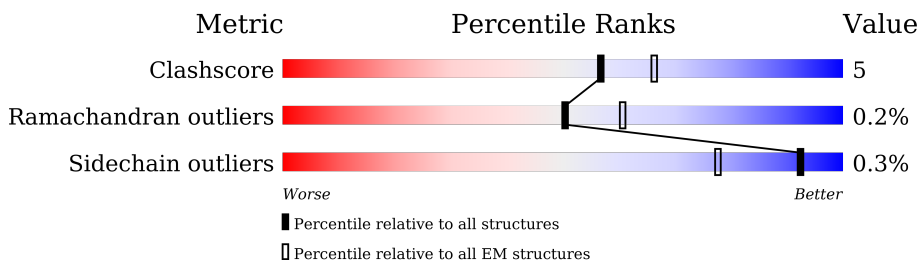
EMDB validation analysis : 0.0.1.dev43
Mogul : 1.8.5 (274361), CSD as541be (2020)
MolProbity : 4.02b-467
buster-report : 1.1.7 (2018)
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
MapQ : 1.9.9
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.31.2

1 Overall quality at a glance

The following experimental techniques were used to determine the structure:
ELECTRON MICROSCOPY

The reported resolution of this entry is 2.60 Å.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



| Metric | Whole archive (#Entries) | EM structures (#Entries) |
|-----------------------|--------------------------|--------------------------|
| Clashscore | 158937 | 4297 |
| Ramachandran outliers | 154571 | 4023 |
| Sidechain outliers | 154315 | 3826 |

The table below summarises the geometric issues observed across the polymeric chains and their fit to the map. The red, orange, yellow and green segments of the bar indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions $\leq 5\%$. The upper red bar (where present) indicates the fraction of residues that have poor fit to the EM map (all-atom inclusion $< 40\%$). The numeric value is given above the bar.

| Mol | Chain | Length | Quality of chain |
|-----|-------|--------|------------------|
| 1 | 6 | 208 | |
| 2 | 7 | 296 | |
| 3 | 8 | 270 | |
| 4 | 10 | 207 | |
| 5 | 11 | 229 | |
| 6 | 12 | 204 | |
| 7 | 13 | 244 | |
| 8 | 14 | 249 | |

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| Mol | Chain | Length | Quality of chain |
|-----|-------|--------|------------------|
| 9 | 15 | 281 | |
| 10 | 16 | 218 | |

The following table lists non-polymeric compounds, carbohydrate monomers and non-standard residues in protein, DNA, RNA chains that are outliers for geometric or electron-density-fit criteria:

| Mol | Type | Chain | Res | Chirality | Geometry | Clashes | Electron density |
|-----|------|-------|-----|-----------|----------|---------|------------------|
| 11 | CLA | 10 | 304 | X | - | - | - |
| 11 | CLA | 10 | 305 | X | - | - | - |
| 11 | CLA | 10 | 307 | X | - | - | - |
| 11 | CLA | 10 | 308 | X | - | - | - |
| 11 | CLA | 10 | 309 | X | - | - | - |
| 11 | CLA | 11 | 305 | X | - | - | - |
| 11 | CLA | 11 | 307 | X | - | - | - |
| 11 | CLA | 11 | 309 | X | - | - | - |
| 11 | CLA | 12 | 303 | X | - | - | - |
| 11 | CLA | 12 | 304 | X | - | - | - |
| 11 | CLA | 12 | 306 | X | - | - | - |
| 11 | CLA | 12 | 307 | X | - | - | - |
| 11 | CLA | 12 | 308 | X | - | - | - |
| 11 | CLA | 12 | 312 | X | - | - | - |
| 11 | CLA | 12 | 321 | X | - | - | - |
| 11 | CLA | 13 | 302 | X | - | - | - |
| 11 | CLA | 13 | 307 | X | - | - | - |
| 11 | CLA | 13 | 309 | X | - | - | - |
| 11 | CLA | 14 | 302 | X | - | - | - |
| 11 | CLA | 14 | 303 | X | - | - | - |
| 11 | CLA | 14 | 304 | X | - | - | - |
| 11 | CLA | 14 | 305 | X | - | - | - |
| 11 | CLA | 14 | 309 | X | - | - | - |
| 11 | CLA | 14 | 310 | X | - | - | - |
| 11 | CLA | 14 | 313 | X | - | - | - |
| 11 | CLA | 15 | 303 | X | - | - | - |
| 11 | CLA | 15 | 304 | X | - | - | - |
| 11 | CLA | 15 | 305 | X | - | - | - |
| 11 | CLA | 15 | 306 | X | - | - | - |
| 11 | CLA | 15 | 307 | X | - | - | - |
| 11 | CLA | 15 | 308 | X | - | - | - |
| 11 | CLA | 15 | 309 | X | - | - | - |
| 11 | CLA | 15 | 310 | X | - | - | - |

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| Mol | Type | Chain | Res | Chirality | Geometry | Clashes | Electron density |
|-----|------|-------|-----|-----------|----------|---------|------------------|
| 11 | CLA | 15 | 311 | X | - | - | - |
| 11 | CLA | 15 | 312 | X | - | - | - |
| 11 | CLA | 16 | 302 | X | - | - | - |
| 11 | CLA | 16 | 303 | X | - | - | - |
| 11 | CLA | 16 | 305 | X | - | - | - |
| 11 | CLA | 16 | 306 | X | - | - | - |
| 11 | CLA | 16 | 307 | X | - | - | - |
| 11 | CLA | 16 | 308 | X | - | - | - |
| 11 | CLA | 16 | 310 | X | - | - | - |
| 11 | CLA | 6 | 301 | X | - | - | - |
| 11 | CLA | 6 | 302 | X | - | - | - |
| 11 | CLA | 6 | 303 | X | - | - | - |
| 11 | CLA | 6 | 304 | X | - | - | - |
| 11 | CLA | 6 | 306 | X | - | - | - |
| 11 | CLA | 6 | 307 | X | - | - | - |
| 11 | CLA | 6 | 312 | X | - | - | - |
| 11 | CLA | 6 | 313 | X | - | - | - |
| 11 | CLA | 6 | 314 | X | - | - | - |
| 11 | CLA | 7 | 302 | X | - | - | - |
| 11 | CLA | 7 | 303 | X | - | - | - |
| 11 | CLA | 7 | 304 | X | - | - | - |
| 11 | CLA | 7 | 305 | X | - | - | - |
| 11 | CLA | 7 | 308 | X | - | - | - |
| 11 | CLA | 7 | 309 | X | - | - | - |
| 11 | CLA | 7 | 310 | X | - | - | - |
| 11 | CLA | 8 | 301 | X | - | - | - |
| 11 | CLA | 8 | 302 | X | - | - | - |
| 11 | CLA | 8 | 303 | X | - | - | - |
| 11 | CLA | 8 | 304 | X | - | - | - |
| 11 | CLA | 8 | 308 | X | - | - | - |

2 Entry composition [i](#)

There are 18 unique types of molecules in this entry. The entry contains 23863 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the AltConf column contains the number of residues with at least one atom in alternate conformation and the Trace column contains the number of residues modelled with at most 2 atoms.

- Molecule 1 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcr12.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 1 | 6 | 174 | 1354 | 884 | 216 | 246 | 8 | 0 | 0 |

- Molecule 2 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcr10.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|----|---------|-------|
| | | | Total | C | N | O | S | | |
| 2 | 7 | 188 | 1416 | 894 | 240 | 266 | 16 | 0 | 0 |

- Molecule 3 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcr4.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|------|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 3 | 8 | 213 | 1660 | 1075 | 274 | 302 | 9 | 0 | 0 |

- Molecule 4 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcr3.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 4 | 10 | 169 | 1302 | 849 | 212 | 233 | 8 | 0 | 0 |

- Molecule 5 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcq13.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 5 | 11 | 191 | 1479 | 958 | 243 | 270 | 8 | 0 | 0 |

- Molecule 6 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcq3.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 6 | 12 | 173 | 1274 | 814 | 209 | 243 | 8 | 0 | 0 |

- Molecule 7 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcq11.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 7 | 13 | 150 | 1148 | 736 | 203 | 204 | 5 | 0 | 0 |

- Molecule 8 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcq10.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|------|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 8 | 14 | 208 | 1609 | 1049 | 262 | 292 | 6 | 0 | 0 |

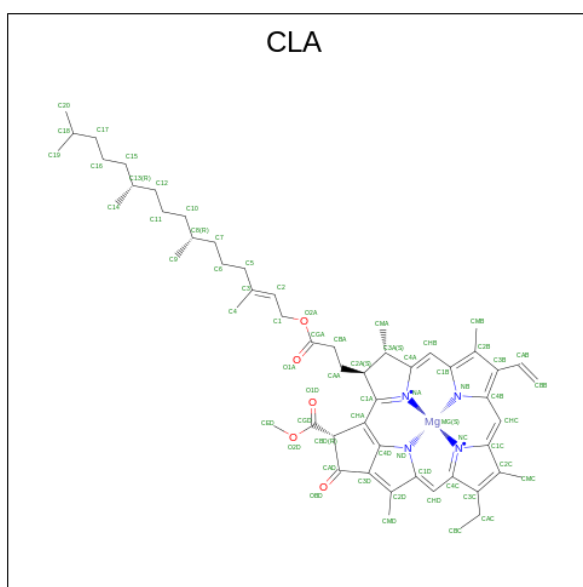
- Molecule 9 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcq8.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|------|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 9 | 15 | 211 | 1654 | 1077 | 273 | 298 | 6 | 0 | 0 |

- Molecule 10 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcq5.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 10 | 16 | 174 | 1313 | 846 | 217 | 242 | 8 | 0 | 0 |

- Molecule 11 is CHLOROPHYLL A (three-letter code: CLA) (formula: $C_{55}H_{72}MgN_4O_5$).



| Mol | Chain | Residues | Atoms | | | | | AltConf |
|-----|-------|----------|-------|-----|----|----|----|---------|
| 11 | 6 | 1 | Total | C | Mg | N | O | 0 |
| | | | 620 | 520 | 10 | 40 | 50 | |
| 11 | 6 | 1 | Total | C | Mg | N | O | 0 |
| | | | 620 | 520 | 10 | 40 | 50 | |
| 11 | 6 | 1 | Total | C | Mg | N | O | 0 |
| | | | 620 | 520 | 10 | 40 | 50 | |
| 11 | 6 | 1 | Total | C | Mg | N | O | 0 |
| | | | 620 | 520 | 10 | 40 | 50 | |
| 11 | 6 | 1 | Total | C | Mg | N | O | 0 |
| | | | 620 | 520 | 10 | 40 | 50 | |
| 11 | 6 | 1 | Total | C | Mg | N | O | 0 |
| | | | 620 | 520 | 10 | 40 | 50 | |
| 11 | 6 | 1 | Total | C | Mg | N | O | 0 |
| | | | 620 | 520 | 10 | 40 | 50 | |
| 11 | 6 | 1 | Total | C | Mg | N | O | 0 |
| | | | 620 | 520 | 10 | 40 | 50 | |
| 11 | 6 | 1 | Total | C | Mg | N | O | 0 |
| | | | 620 | 520 | 10 | 40 | 50 | |
| 11 | 7 | 1 | Total | C | Mg | N | O | 0 |
| | | | 566 | 476 | 9 | 36 | 45 | |
| 11 | 7 | 1 | Total | C | Mg | N | O | 0 |
| | | | 566 | 476 | 9 | 36 | 45 | |
| 11 | 7 | 1 | Total | C | Mg | N | O | 0 |
| | | | 566 | 476 | 9 | 36 | 45 | |
| 11 | 7 | 1 | Total | C | Mg | N | O | 0 |
| | | | 566 | 476 | 9 | 36 | 45 | |
| 11 | 7 | 1 | Total | C | Mg | N | O | 0 |
| | | | 566 | 476 | 9 | 36 | 45 | |
| 11 | 7 | 1 | Total | C | Mg | N | O | 0 |
| | | | 566 | 476 | 9 | 36 | 45 | |
| 11 | 7 | 1 | Total | C | Mg | N | O | 0 |
| | | | 566 | 476 | 9 | 36 | 45 | |
| 11 | 7 | 1 | Total | C | Mg | N | O | 0 |
| | | | 566 | 476 | 9 | 36 | 45 | |
| 11 | 7 | 1 | Total | C | Mg | N | O | 0 |
| | | | 566 | 476 | 9 | 36 | 45 | |
| 11 | 8 | 1 | Total | C | Mg | N | O | 0 |
| | | | 420 | 350 | 7 | 28 | 35 | |
| 11 | 8 | 1 | Total | C | Mg | N | O | 0 |
| | | | 420 | 350 | 7 | 28 | 35 | |
| 11 | 8 | 1 | Total | C | Mg | N | O | 0 |
| | | | 420 | 350 | 7 | 28 | 35 | |

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| Mol | Chain | Residues | Atoms | | | | | AltConf |
|-----|-------|----------|--------------|----------|---------|---------|---------|---------|
| | | | Total | C | Mg | N | O | |
| 11 | 8 | 1 | Total 420 | C 350 | Mg 7 | N 28 | O 35 | 0 |
| 11 | 8 | 1 | Total 420 | C 350 | Mg 7 | N 28 | O 35 | 0 |
| 11 | 8 | 1 | Total 420 | C 350 | Mg 7 | N 28 | O 35 | 0 |
| 11 | 8 | 1 | Total 420 | C 350 | Mg 7 | N 28 | O 35 | 0 |
| 11 | 10 | 1 | Total 435 | C 365 | Mg 7 | N 28 | O 35 | 0 |
| 11 | 10 | 1 | Total 435 | C 365 | Mg 7 | N 28 | O 35 | 0 |
| 11 | 10 | 1 | Total 435 | C 365 | Mg 7 | N 28 | O 35 | 0 |
| 11 | 10 | 1 | Total 435 | C 365 | Mg 7 | N 28 | O 35 | 0 |
| 11 | 10 | 1 | Total 435 | C 365 | Mg 7 | N 28 | O 35 | 0 |
| 11 | 10 | 1 | Total 435 | C 365 | Mg 7 | N 28 | O 35 | 0 |
| 11 | 10 | 1 | Total 435 | C 365 | Mg 7 | N 28 | O 35 | 0 |
| 11 | 10 | 1 | Total 435 | C 365 | Mg 7 | N 28 | O 35 | 0 |
| 11 | 11 | 1 | Total 315 | C 265 | Mg 5 | N 20 | O 25 | 0 |
| 11 | 11 | 1 | Total 315 | C 265 | Mg 5 | N 20 | O 25 | 0 |
| 11 | 11 | 1 | Total 315 | C 265 | Mg 5 | N 20 | O 25 | 0 |
| 11 | 11 | 1 | Total 315 | C 265 | Mg 5 | N 20 | O 25 | 0 |
| 11 | 11 | 1 | Total 315 | C 265 | Mg 5 | N 20 | O 25 | 0 |
| 11 | 11 | 1 | Total 315 | C 265 | Mg 5 | N 20 | O 25 | 0 |
| 11 | 12 | 1 | Total 566 | C 476 | Mg 9 | N 36 | O 45 | 0 |
| 11 | 12 | 1 | Total 566 | C 476 | Mg 9 | N 36 | O 45 | 0 |
| 11 | 12 | 1 | Total 566 | C 476 | Mg 9 | N 36 | O 45 | 0 |
| 11 | 12 | 1 | Total 566 | C 476 | Mg 9 | N 36 | O 45 | 0 |
| 11 | 12 | 1 | Total 566 | C 476 | Mg 9 | N 36 | O 45 | 0 |

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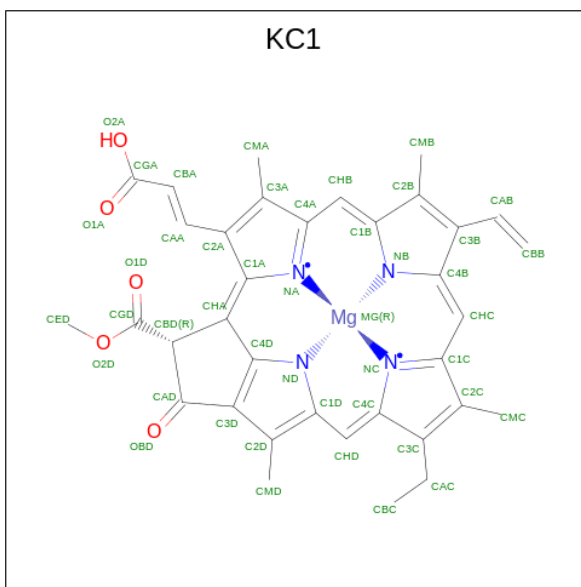
| Mol | Chain | Residues | Atoms | | | | | AltConf |
|-----|-------|----------|--------------|----------|----------|---------|---------|---------|
| | | | Total | C | Mg | N | O | |
| 11 | 12 | 1 | Total 566 | C 476 | Mg 9 | N 36 | O 45 | 0 |
| 11 | 12 | 1 | Total 566 | C 476 | Mg 9 | N 36 | O 45 | 0 |
| 11 | 12 | 1 | Total 566 | C 476 | Mg 9 | N 36 | O 45 | 0 |
| 11 | 12 | 1 | Total 566 | C 476 | Mg 9 | N 36 | O 45 | 0 |
| 11 | 13 | 1 | Total 350 | C 290 | Mg 6 | N 24 | O 30 | 0 |
| 11 | 13 | 1 | Total 350 | C 290 | Mg 6 | N 24 | O 30 | 0 |
| 11 | 13 | 1 | Total 350 | C 290 | Mg 6 | N 24 | O 30 | 0 |
| 11 | 13 | 1 | Total 350 | C 290 | Mg 6 | N 24 | O 30 | 0 |
| 11 | 13 | 1 | Total 350 | C 290 | Mg 6 | N 24 | O 30 | 0 |
| 11 | 13 | 1 | Total 350 | C 290 | Mg 6 | N 24 | O 30 | 0 |
| 11 | 13 | 1 | Total 350 | C 290 | Mg 6 | N 24 | O 30 | 0 |
| 11 | 14 | 1 | Total 468 | C 378 | Mg 9 | N 36 | O 45 | 0 |
| 11 | 14 | 1 | Total 468 | C 378 | Mg 9 | N 36 | O 45 | 0 |
| 11 | 14 | 1 | Total 468 | C 378 | Mg 9 | N 36 | O 45 | 0 |
| 11 | 14 | 1 | Total 468 | C 378 | Mg 9 | N 36 | O 45 | 0 |
| 11 | 14 | 1 | Total 468 | C 378 | Mg 9 | N 36 | O 45 | 0 |
| 11 | 14 | 1 | Total 468 | C 378 | Mg 9 | N 36 | O 45 | 0 |
| 11 | 14 | 1 | Total 468 | C 378 | Mg 9 | N 36 | O 45 | 0 |
| 11 | 14 | 1 | Total 468 | C 378 | Mg 9 | N 36 | O 45 | 0 |
| 11 | 14 | 1 | Total 468 | C 378 | Mg 9 | N 36 | O 45 | 0 |
| 11 | 14 | 1 | Total 468 | C 378 | Mg 9 | N 36 | O 45 | 0 |
| 11 | 15 | 1 | Total 685 | C 555 | Mg 13 | N 52 | O 65 | 0 |
| 11 | 15 | 1 | Total 685 | C 555 | Mg 13 | N 52 | O 65 | 0 |

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| Mol | Chain | Residues | Atoms | | | | | AltConf |
|-----|-------|----------|-------|-----|----|----|----|---------|
| | | | Total | C | Mg | N | O | |
| 11 | 15 | 1 | 685 | 555 | 13 | 52 | 65 | 0 |
| 11 | 15 | 1 | 685 | 555 | 13 | 52 | 65 | 0 |
| 11 | 15 | 1 | 685 | 555 | 13 | 52 | 65 | 0 |
| 11 | 15 | 1 | 685 | 555 | 13 | 52 | 65 | 0 |
| 11 | 15 | 1 | 685 | 555 | 13 | 52 | 65 | 0 |
| 11 | 15 | 1 | 685 | 555 | 13 | 52 | 65 | 0 |
| 11 | 15 | 1 | 685 | 555 | 13 | 52 | 65 | 0 |
| 11 | 15 | 1 | 685 | 555 | 13 | 52 | 65 | 0 |
| 11 | 15 | 1 | 685 | 555 | 13 | 52 | 65 | 0 |
| 11 | 15 | 1 | 685 | 555 | 13 | 52 | 65 | 0 |
| 11 | 15 | 1 | 685 | 555 | 13 | 52 | 65 | 0 |
| 11 | 15 | 1 | 685 | 555 | 13 | 52 | 65 | 0 |
| 11 | 16 | 1 | 478 | 388 | 9 | 36 | 45 | 0 |
| 11 | 16 | 1 | 478 | 388 | 9 | 36 | 45 | 0 |
| 11 | 16 | 1 | 478 | 388 | 9 | 36 | 45 | 0 |
| 11 | 16 | 1 | 478 | 388 | 9 | 36 | 45 | 0 |
| 11 | 16 | 1 | 478 | 388 | 9 | 36 | 45 | 0 |
| 11 | 16 | 1 | 478 | 388 | 9 | 36 | 45 | 0 |
| 11 | 16 | 1 | 478 | 388 | 9 | 36 | 45 | 0 |
| 11 | 16 | 1 | 478 | 388 | 9 | 36 | 45 | 0 |
| 11 | 16 | 1 | 478 | 388 | 9 | 36 | 45 | 0 |

- Molecule 12 is Chlorophyll c1 (three-letter code: KC1) (formula: $C_{35}H_{30}MgN_4O_5$).



| Mol | Chain | Residues | Atoms | | | | | AltConf |
|-----|-------|----------|-------|-----|----|----|----|---------|
| | | | Total | C | Mg | N | O | |
| 12 | 6 | 1 | Total | C | Mg | N | O | 0 |
| | | | 180 | 140 | 4 | 16 | 20 | |
| 12 | 6 | 1 | Total | C | Mg | N | O | 0 |
| | | | 180 | 140 | 4 | 16 | 20 | |
| 12 | 6 | 1 | Total | C | Mg | N | O | 0 |
| | | | 180 | 140 | 4 | 16 | 20 | |
| 12 | 6 | 1 | Total | C | Mg | N | O | 0 |
| | | | 180 | 140 | 4 | 16 | 20 | |
| 12 | 7 | 1 | Total | C | Mg | N | O | 0 |
| | | | 90 | 70 | 2 | 8 | 10 | |
| 12 | 7 | 1 | Total | C | Mg | N | O | 0 |
| | | | 90 | 70 | 2 | 8 | 10 | |
| 12 | 8 | 1 | Total | C | Mg | N | O | 0 |
| | | | 315 | 245 | 7 | 28 | 35 | |
| 12 | 8 | 1 | Total | C | Mg | N | O | 0 |
| | | | 315 | 245 | 7 | 28 | 35 | |
| 12 | 8 | 1 | Total | C | Mg | N | O | 0 |
| | | | 315 | 245 | 7 | 28 | 35 | |
| 12 | 8 | 1 | Total | C | Mg | N | O | 0 |
| | | | 315 | 245 | 7 | 28 | 35 | |
| 12 | 8 | 1 | Total | C | Mg | N | O | 0 |
| | | | 315 | 245 | 7 | 28 | 35 | |
| 12 | 8 | 1 | Total | C | Mg | N | O | 0 |
| | | | 315 | 245 | 7 | 28 | 35 | |
| 12 | 8 | 1 | Total | C | Mg | N | O | 0 |
| | | | 315 | 245 | 7 | 28 | 35 | |
| 12 | 10 | 1 | Total | C | Mg | N | O | 0 |
| | | | 135 | 105 | 3 | 12 | 15 | |

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| Mol | Chain | Residues | Atoms | | | | | AltConf |
|-----|-------|----------|--------------|----------|---------|---------|---------|---------|
| | | | Total | C | Mg | N | O | |
| 12 | 10 | 1 | Total 135 | C 105 | Mg 3 | N 12 | O 15 | 0 |
| 12 | 10 | 1 | Total 135 | C 105 | Mg 3 | N 12 | O 15 | 0 |
| 12 | 11 | 1 | Total 180 | C 140 | Mg 4 | N 16 | O 20 | 0 |
| 12 | 11 | 1 | Total 180 | C 140 | Mg 4 | N 16 | O 20 | 0 |
| 12 | 11 | 1 | Total 180 | C 140 | Mg 4 | N 16 | O 20 | 0 |
| 12 | 11 | 1 | Total 180 | C 140 | Mg 4 | N 16 | O 20 | 0 |
| 12 | 12 | 1 | Total 180 | C 140 | Mg 4 | N 16 | O 20 | 0 |
| 12 | 12 | 1 | Total 180 | C 140 | Mg 4 | N 16 | O 20 | 0 |
| 12 | 12 | 1 | Total 180 | C 140 | Mg 4 | N 16 | O 20 | 0 |
| 12 | 12 | 1 | Total 180 | C 140 | Mg 4 | N 16 | O 20 | 0 |
| 12 | 13 | 1 | Total 270 | C 210 | Mg 6 | N 24 | O 30 | 0 |
| 12 | 13 | 1 | Total 270 | C 210 | Mg 6 | N 24 | O 30 | 0 |
| 12 | 13 | 1 | Total 270 | C 210 | Mg 6 | N 24 | O 30 | 0 |
| 12 | 13 | 1 | Total 270 | C 210 | Mg 6 | N 24 | O 30 | 0 |
| 12 | 13 | 1 | Total 270 | C 210 | Mg 6 | N 24 | O 30 | 0 |
| 12 | 13 | 1 | Total 270 | C 210 | Mg 6 | N 24 | O 30 | 0 |
| 12 | 14 | 1 | Total 135 | C 105 | Mg 3 | N 12 | O 15 | 0 |
| 12 | 14 | 1 | Total 135 | C 105 | Mg 3 | N 12 | O 15 | 0 |
| 12 | 14 | 1 | Total 135 | C 105 | Mg 3 | N 12 | O 15 | 0 |
| 12 | 16 | 1 | Total 90 | C 70 | Mg 2 | N 8 | O 10 | 0 |
| 12 | 16 | 1 | Total 90 | C 70 | Mg 2 | N 8 | O 10 | 0 |

- Molecule 13 is (3S,3'R,5R,6S,7cis)-7',8'-didehydro-5,6-dihydro-5,6-epoxy-beta,beta-carotene -3,3'-diol (three-letter code: DD6) (formula: C₄₀H₅₄O₃).



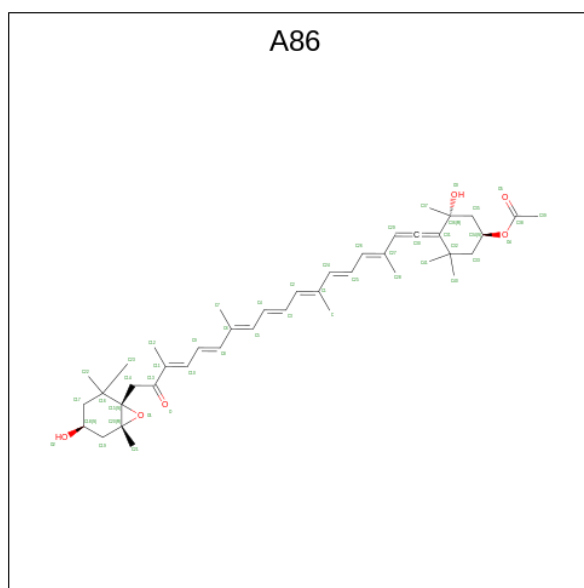
| Mol | Chain | Residues | Atoms | | | AltConf |
|-----|-------|----------|-------|-----|----|---------|
| | | | Total | C | O | |
| 13 | 6 | 1 | 129 | 120 | 9 | 0 |
| 13 | 6 | 1 | 129 | 120 | 9 | 0 |
| 13 | 6 | 1 | 129 | 120 | 9 | 0 |
| 13 | 7 | 1 | 172 | 160 | 12 | 0 |
| 13 | 7 | 1 | 172 | 160 | 12 | 0 |
| 13 | 7 | 1 | 172 | 160 | 12 | 0 |
| 13 | 7 | 1 | 172 | 160 | 12 | 0 |
| 13 | 8 | 1 | 86 | 80 | 6 | 0 |
| 13 | 8 | 1 | 86 | 80 | 6 | 0 |
| 13 | 10 | 1 | 86 | 80 | 6 | 0 |
| 13 | 10 | 1 | 86 | 80 | 6 | 0 |
| 13 | 11 | 1 | 43 | 40 | 3 | 0 |

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| Mol | Chain | Residues | Atoms | | | AltConf |
|-----|-------|----------|-------|----|---|---------|
| | | | Total | C | O | |
| 13 | 12 | 1 | 86 | 80 | 6 | 0 |
| 13 | 12 | 1 | 86 | 80 | 6 | 0 |
| 13 | 13 | 1 | 43 | 40 | 3 | 0 |
| 13 | 15 | 1 | 86 | 80 | 6 | 0 |
| 13 | 15 | 1 | 86 | 80 | 6 | 0 |
| 13 | 16 | 1 | 43 | 40 | 3 | 0 |

- Molecule 14 is (3S,3'S,5R,5'R,6S,6'R,8'R)-3,5'-dihydroxy-8-oxo-6',7'-didehydro-5,5',6,6',7',8-hexahydro-5,6-epoxy-beta,beta-caroten-3'-yl acetate (three-letter code: A86) (formula: C₄₂H₅₈O₆).



| Mol | Chain | Residues | Atoms | | | AltConf |
|-----|-------|----------|-------|-----|----|---------|
| | | | Total | C | O | |
| 14 | 6 | 1 | 48 | 42 | 6 | 0 |
| 14 | 7 | 1 | 144 | 126 | 18 | 0 |
| 14 | 7 | 1 | 144 | 126 | 18 | 0 |
| 14 | 7 | 1 | 144 | 126 | 18 | 0 |

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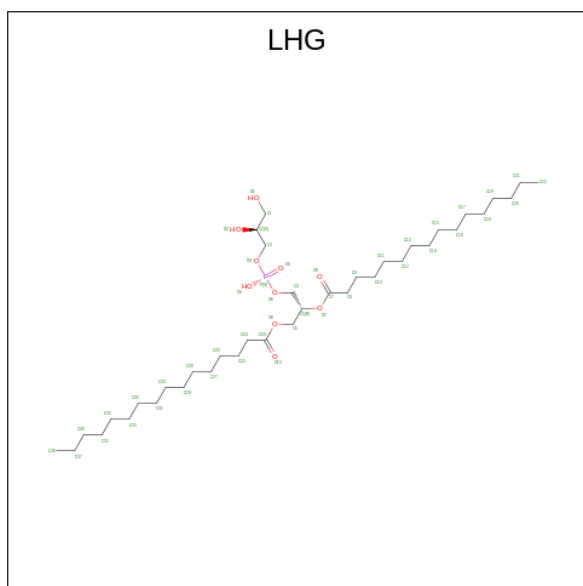
| Mol | Chain | Residues | Atoms | | | AltConf |
|-----|-------|----------|-------|-----|----|---------|
| | | | Total | C | O | |
| 14 | 8 | 1 | 96 | 84 | 12 | 0 |
| 14 | 8 | 1 | 96 | 84 | 12 | 0 |
| 14 | 10 | 1 | 240 | 210 | 30 | 0 |
| 14 | 10 | 1 | 240 | 210 | 30 | 0 |
| 14 | 10 | 1 | 240 | 210 | 30 | 0 |
| 14 | 10 | 1 | 240 | 210 | 30 | 0 |
| 14 | 10 | 1 | 240 | 210 | 30 | 0 |
| 14 | 11 | 1 | 192 | 168 | 24 | 0 |
| 14 | 11 | 1 | 192 | 168 | 24 | 0 |
| 14 | 11 | 1 | 192 | 168 | 24 | 0 |
| 14 | 11 | 1 | 192 | 168 | 24 | 0 |
| 14 | 12 | 1 | 96 | 84 | 12 | 0 |
| 14 | 12 | 1 | 96 | 84 | 12 | 0 |
| 14 | 13 | 1 | 93 | 82 | 11 | 0 |
| 14 | 13 | 1 | 93 | 82 | 11 | 0 |
| 14 | 14 | 1 | 432 | 378 | 54 | 0 |
| 14 | 14 | 1 | 432 | 378 | 54 | 0 |
| 14 | 14 | 1 | 432 | 378 | 54 | 0 |
| 14 | 14 | 1 | 432 | 378 | 54 | 0 |
| 14 | 14 | 1 | 432 | 378 | 54 | 0 |
| 14 | 14 | 1 | 432 | 378 | 54 | 0 |

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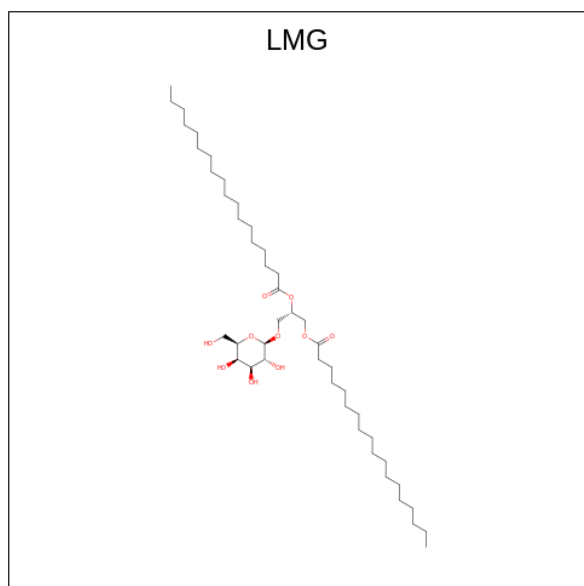
| Mol | Chain | Residues | Atoms | | | AltConf |
|-----|-------|----------|--------------|----------|---------|---------|
| | | | Total | C | O | |
| 14 | 14 | 1 | Total 432 | C 378 | O 54 | 0 |
| 14 | 14 | 1 | Total 432 | C 378 | O 54 | 0 |
| 14 | 14 | 1 | Total 432 | C 378 | O 54 | 0 |
| 14 | 15 | 1 | Total 288 | C 252 | O 36 | 0 |
| 14 | 15 | 1 | Total 288 | C 252 | O 36 | 0 |
| 14 | 15 | 1 | Total 288 | C 252 | O 36 | 0 |
| 14 | 15 | 1 | Total 288 | C 252 | O 36 | 0 |
| 14 | 15 | 1 | Total 288 | C 252 | O 36 | 0 |
| 14 | 15 | 1 | Total 288 | C 252 | O 36 | 0 |
| 14 | 15 | 1 | Total 288 | C 252 | O 36 | 0 |
| 14 | 16 | 1 | Total 96 | C 84 | O 12 | 0 |
| 14 | 16 | 1 | Total 96 | C 84 | O 12 | 0 |

- Molecule 15 is 1,2-DIPALMITOYL-PHOSPHATIDYL-GLYCEROLE (three-letter code: LHG) (formula: $C_{38}H_{76}O_{10}P$).



| Mol | Chain | Residues | Atoms | | | | AltConf |
|-----|-------|----------|-------|----|----|---|---------|
| | | | Total | C | O | P | |
| 15 | 6 | 1 | 27 | 16 | 10 | 1 | 0 |


- Molecule 16 is 1,2-DISTEAROYL-MONOGALACTOSYL-DIGLYCERIDE (three-letter code: LMG) (formula: $C_{45}H_{86}O_{10}$).

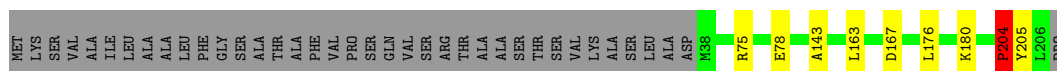


| Mol | Chain | Residues | Atoms | | | AltConf |
|-----|-------|----------|-------|----|----|---------|
| | | | Total | C | O | |
| 16 | 7 | 1 | 37 | 27 | 10 | 0 |
| 16 | 8 | 1 | 108 | 78 | 30 | 0 |
| 16 | 8 | 1 | 108 | 78 | 30 | 0 |
| 16 | 8 | 1 | 108 | 78 | 30 | 0 |
| 16 | 14 | 1 | 38 | 28 | 10 | 0 |


- Molecule 17 is DODECYL-BETA-D-MALTOSE (three-letter code: LMT) (formula: $C_{24}H_{46}O_{11}$).

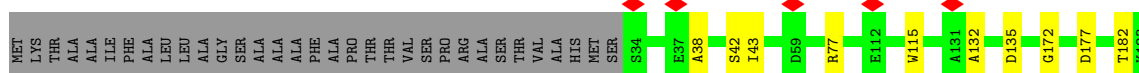
| Mol | Chain | Residues | Atoms | AltConf |
|-----|-------|----------|----------------|---------|
| 18 | 6 | 2 | Total O 2 2 | 0 |
| 18 | 7 | 2 | Total O 2 2 | 0 |
| 18 | 8 | 4 | Total O 4 4 | 0 |
| 18 | 10 | 1 | Total O 1 1 | 0 |
| 18 | 11 | 1 | Total O 1 1 | 0 |
| 18 | 12 | 2 | Total O 2 2 | 0 |

Chain 10:  77% 18%




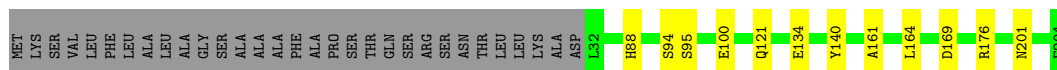
• Molecule 5: Fucoxanthin chlorophyll a/c-binding protein Lhcq13

Chain 11:  77% 6% 17%



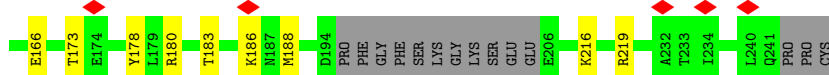
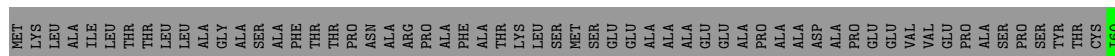
• Molecule 6: Fucoxanthin chlorophyll a/c-binding protein Lhcq3

Chain 12:  79% 6% 15%




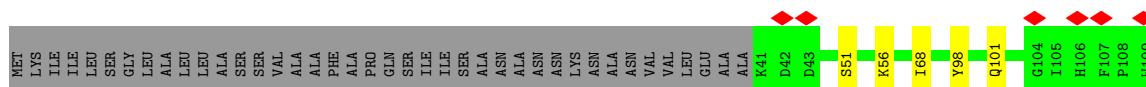
• Molecule 7: Fucoxanthin chlorophyll a/c-binding protein Lhcq11

Chain 13:  5% 52% 9% 39%



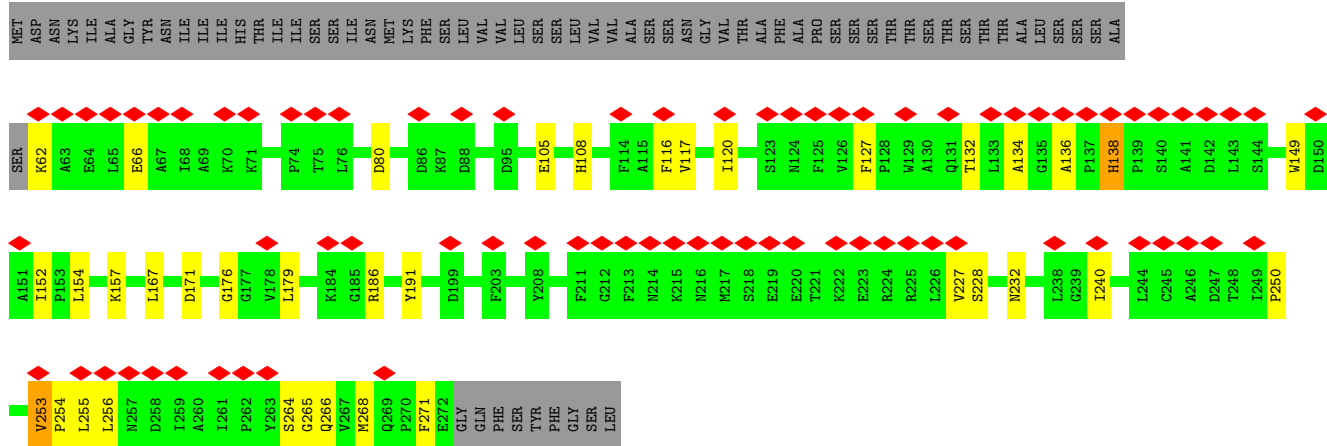
• Molecule 8: Fucoxanthin chlorophyll a/c-binding protein Lhcq10

Chain 14:  14% 74% 10% 16%

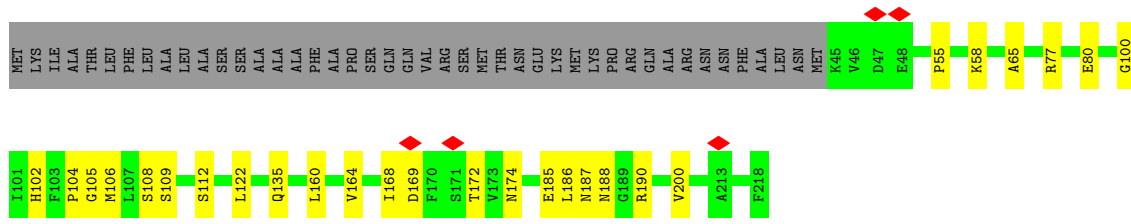




• Molecule 9: Fucoxanthin chlorophyll a/c-binding protein Lhcq8



• Molecule 10: Fucoxanthin chlorophyll a/c-binding protein Lhcq5



4 Experimental information

| Property | Value | Source |
|--------------------------------------|---|-----------|
| EM reconstruction method | SINGLE PARTICLE | Depositor |
| Imposed symmetry | POINT, C1 | Depositor |
| Number of particles used | 470801 | Depositor |
| Resolution determination method | FSC 0.143 CUT-OFF | Depositor |
| CTF correction method | PHASE FLIPPING AND AMPLITUDE CORRECTION | Depositor |
| Microscope | FEI TITAN KRIOS | Depositor |
| Voltage (kV) | 300 | Depositor |
| Electron dose ($e^-/\text{\AA}^2$) | 50 | Depositor |
| Minimum defocus (nm) | Not provided | |
| Maximum defocus (nm) | Not provided | |
| Magnification | Not provided | |
| Image detector | FEI FALCON III (4k x 4k) | Depositor |
| Maximum map value | 0.322 | Depositor |
| Minimum map value | -0.132 | Depositor |
| Average map value | 0.000 | Depositor |
| Map value standard deviation | 0.003 | Depositor |
| Recommended contour level | 0.045 | Depositor |
| Map size (Å) | 560.952, 560.952, 560.952 | wwPDB |
| Map dimensions | 504, 504, 504 | wwPDB |
| Map angles (°) | 90.0, 90.0, 90.0 | wwPDB |
| Pixel spacing (Å) | 1.113, 1.113, 1.113 | Depositor |

5 Model quality

5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: A86, DD6, LMT, LMG, LHG, CLA, KC1

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

| Mol | Chain | Bond lengths | | Bond angles | |
|-----|-------|--------------|----------------|-------------|----------------|
| | | RMSZ | # Z >5 | RMSZ | # Z >5 |
| 1 | 6 | 0.37 | 1/1391 (0.1%) | 0.48 | 0/1886 |
| 2 | 7 | 0.34 | 0/1445 | 0.46 | 0/1952 |
| 3 | 8 | 0.38 | 0/1706 | 0.49 | 0/2310 |
| 4 | 10 | 0.35 | 0/1344 | 0.52 | 0/1824 |
| 5 | 11 | 0.33 | 0/1522 | 0.49 | 0/2070 |
| 6 | 12 | 0.35 | 0/1305 | 0.51 | 1/1776 (0.1%) |
| 7 | 13 | 0.30 | 0/1177 | 0.51 | 0/1592 |
| 8 | 14 | 0.32 | 0/1660 | 0.60 | 2/2255 (0.1%) |
| 9 | 15 | 0.33 | 0/1705 | 0.68 | 3/2319 (0.1%) |
| 10 | 16 | 0.31 | 0/1347 | 0.59 | 2/1833 (0.1%) |
| All | All | 0.34 | 1/14602 (0.0%) | 0.54 | 8/19817 (0.0%) |

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand. A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

| Mol | Chain | #Chirality outliers | #Planarity outliers |
|-----|-------|---------------------|---------------------|
| 4 | 10 | 0 | 1 |
| 8 | 14 | 0 | 2 |
| 9 | 15 | 0 | 3 |
| All | All | 0 | 6 |

All (1) bond length outliers are listed below:

| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|-------|-------------|----------|
| 1 | 6 | 83 | CYS | CB-SG | -5.02 | 1.73 | 1.81 |

All (8) bond angle outliers are listed below:

| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-----------|-------|-------------|----------|
| 10 | 16 | 169 | ASP | CB-CG-OD1 | 10.03 | 127.32 | 118.30 |
| 9 | 15 | 152 | ILE | C-N-CD | -5.65 | 108.17 | 120.60 |
| 8 | 14 | 241 | ASP | CB-CG-OD1 | 5.59 | 123.33 | 118.30 |
| 6 | 12 | 176 | ARG | NE-CZ-NH2 | -5.51 | 117.55 | 120.30 |
| 8 | 14 | 122 | ALA | C-N-CA | 5.21 | 133.24 | 122.30 |
| 10 | 16 | 168 | ILE | C-N-CA | 5.16 | 134.61 | 121.70 |
| 9 | 15 | 265 | GLY | N-CA-C | 5.10 | 125.86 | 113.10 |
| 9 | 15 | 152 | ILE | C-N-CA | 5.08 | 143.34 | 122.00 |

There are no chirality outliers.

All (6) planarity outliers are listed below:

| Mol | Chain | Res | Type | Group |
|-----|-------|-----|------|---------|
| 4 | 10 | 204 | PRO | Peptide |
| 8 | 14 | 154 | ALA | Peptide |
| 8 | 14 | 161 | GLY | Peptide |
| 9 | 15 | 136 | ALA | Peptide |
| 9 | 15 | 264 | SER | Peptide |
| 9 | 15 | 268 | MET | Peptide |

5.2 Too-close contacts [i](#)

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in the chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

| Mol | Chain | Non-H | H(model) | H(added) | Clashes | Symm-Clashes |
|-----|-------|-------|----------|----------|---------|--------------|
| 1 | 6 | 1354 | 0 | 1328 | 17 | 0 |
| 2 | 7 | 1416 | 0 | 1379 | 11 | 0 |
| 3 | 8 | 1660 | 0 | 1625 | 20 | 0 |
| 4 | 10 | 1302 | 0 | 1274 | 6 | 0 |
| 5 | 11 | 1479 | 0 | 1452 | 10 | 0 |
| 6 | 12 | 1274 | 0 | 1267 | 7 | 0 |
| 7 | 13 | 1148 | 0 | 1130 | 16 | 0 |
| 8 | 14 | 1609 | 0 | 1568 | 17 | 0 |
| 9 | 15 | 1654 | 0 | 1613 | 21 | 0 |
| 10 | 16 | 1313 | 0 | 1310 | 20 | 0 |
| 11 | 10 | 435 | 0 | 465 | 9 | 0 |
| 11 | 11 | 315 | 0 | 337 | 6 | 0 |
| 11 | 12 | 566 | 0 | 604 | 13 | 0 |
| 11 | 13 | 350 | 0 | 354 | 10 | 0 |

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| Mol | Chain | Non-H | H(model) | H(added) | Clashes | Symm-Clashes |
|-----|-------|-------|----------|----------|---------|--------------|
| 11 | 14 | 468 | 0 | 400 | 9 | 0 |
| 11 | 15 | 685 | 0 | 589 | 17 | 0 |
| 11 | 16 | 478 | 0 | 429 | 16 | 0 |
| 11 | 6 | 620 | 0 | 658 | 14 | 0 |
| 11 | 7 | 566 | 0 | 609 | 14 | 0 |
| 11 | 8 | 420 | 0 | 427 | 14 | 0 |
| 12 | 10 | 135 | 0 | 0 | 0 | 0 |
| 12 | 11 | 180 | 0 | 0 | 0 | 0 |
| 12 | 12 | 180 | 0 | 0 | 0 | 0 |
| 12 | 13 | 270 | 0 | 0 | 1 | 0 |
| 12 | 14 | 135 | 0 | 0 | 0 | 0 |
| 12 | 16 | 90 | 0 | 0 | 1 | 0 |
| 12 | 6 | 180 | 0 | 0 | 0 | 0 |
| 12 | 7 | 90 | 0 | 0 | 0 | 0 |
| 12 | 8 | 315 | 0 | 0 | 1 | 0 |
| 13 | 10 | 86 | 0 | 0 | 1 | 0 |
| 13 | 11 | 43 | 0 | 0 | 1 | 0 |
| 13 | 12 | 86 | 0 | 0 | 0 | 0 |
| 13 | 13 | 43 | 0 | 0 | 1 | 0 |
| 13 | 15 | 86 | 0 | 0 | 0 | 0 |
| 13 | 16 | 43 | 0 | 0 | 0 | 0 |
| 13 | 6 | 129 | 0 | 0 | 4 | 0 |
| 13 | 7 | 172 | 0 | 0 | 1 | 0 |
| 13 | 8 | 86 | 0 | 0 | 0 | 0 |
| 14 | 10 | 240 | 0 | 0 | 0 | 0 |
| 14 | 11 | 192 | 0 | 0 | 1 | 0 |
| 14 | 12 | 96 | 0 | 0 | 0 | 0 |
| 14 | 13 | 93 | 0 | 0 | 0 | 0 |
| 14 | 14 | 432 | 0 | 0 | 2 | 0 |
| 14 | 15 | 288 | 0 | 0 | 0 | 0 |
| 14 | 16 | 96 | 0 | 0 | 0 | 0 |
| 14 | 6 | 48 | 0 | 0 | 0 | 0 |
| 14 | 7 | 144 | 0 | 0 | 1 | 0 |
| 14 | 8 | 96 | 0 | 0 | 1 | 0 |
| 15 | 6 | 27 | 0 | 24 | 0 | 0 |
| 16 | 14 | 38 | 0 | 46 | 1 | 0 |
| 16 | 7 | 37 | 0 | 44 | 1 | 0 |
| 16 | 8 | 108 | 0 | 123 | 2 | 0 |
| 17 | 11 | 70 | 0 | 92 | 2 | 0 |
| 17 | 12 | 175 | 0 | 230 | 6 | 0 |
| 17 | 15 | 35 | 0 | 46 | 0 | 0 |
| 17 | 16 | 35 | 0 | 46 | 0 | 0 |

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| Mol | Chain | Non-H | H(model) | H(added) | Clashes | Symm-Clashes |
|-----|-------|-------|----------|----------|---------|--------------|
| 17 | 7 | 35 | 0 | 46 | 0 | 0 |
| 17 | 8 | 105 | 0 | 138 | 1 | 0 |
| 18 | 10 | 1 | 0 | 0 | 0 | 0 |
| 18 | 11 | 1 | 0 | 0 | 0 | 0 |
| 18 | 12 | 2 | 0 | 0 | 0 | 0 |
| 18 | 6 | 2 | 0 | 0 | 0 | 0 |
| 18 | 7 | 2 | 0 | 0 | 0 | 0 |
| 18 | 8 | 4 | 0 | 0 | 0 | 0 |
| All | All | 23863 | 0 | 19653 | 223 | 0 |

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 5.

All (223) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|--------------------|--------------------|--------------------------|-------------------|
| 8:14:101:GLN:OE1 | 11:14:303:CLA:NA | 2.01 | 0.94 |
| 9:15:105:GLU:OE1 | 11:15:302:CLA:NB | 2.22 | 0.72 |
| 7:13:73:GLU:OE1 | 11:13:307:CLA:NC | 2.23 | 0.71 |
| 1:6:127:ILE:HB | 11:6:311:CLA:HBC1 | 1.77 | 0.66 |
| 9:15:127:PHE:O | 9:15:138:HIS:NE2 | 2.33 | 0.62 |
| 8:14:224:GLN:HB3 | 8:14:240:TYR:HB3 | 1.81 | 0.61 |
| 11:16:302:CLA:H202 | 11:16:302:CLA:HBB1 | 1.81 | 0.61 |
| 4:10:75:ARG:NH2 | 4:10:78:GLU:OE1 | 2.34 | 0.60 |
| 10:16:55:PRO:HB3 | 11:16:307:CLA:HBB1 | 1.82 | 0.60 |
| 8:14:245:MET:HG3 | 11:14:312:CLA:HBB1 | 1.84 | 0.59 |
| 11:7:308:CLA:H52 | 7:13:83:LEU:HD22 | 1.83 | 0.59 |
| 1:6:73:ARG:NH2 | 1:6:76:GLU:OE1 | 2.35 | 0.59 |
| 7:13:84:ALA:HB2 | 11:13:301:CLA:HBA1 | 1.83 | 0.59 |
| 8:14:101:GLN:OE1 | 11:14:303:CLA:C1A | 2.50 | 0.59 |
| 5:11:77:ARG:NH2 | 5:11:200:GLU:OE1 | 2.37 | 0.58 |
| 8:14:98:TYR:OH | 8:14:224:GLN:NE2 | 2.36 | 0.56 |
| 7:13:153:GLN:HB3 | 11:13:304:CLA:HMA3 | 1.88 | 0.56 |
| 10:16:135:GLN:OE1 | 12:16:304:KC1:ND | 2.39 | 0.56 |
| 8:14:208:ASN:ND2 | 11:14:307:CLA:O1D | 2.39 | 0.55 |
| 3:8:58:MET:SD | 3:8:58:MET:N | 2.80 | 0.55 |
| 9:15:191:TYR:HB2 | 11:15:308:CLA:HMD1 | 1.89 | 0.55 |
| 3:8:84:ASN:ND2 | 3:8:101:SER:O | 2.40 | 0.54 |
| 11:12:304:CLA:H193 | 11:12:312:CLA:H172 | 1.90 | 0.54 |
| 10:16:185:GLU:OE1 | 11:16:306:CLA:NA | 2.40 | 0.54 |
| 7:13:183:THR:HB | 7:13:186:LYS:HB2 | 1.89 | 0.54 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|--------------------|--------------------|--------------------------|-------------------|
| 9:15:80:ASP:HB3 | 11:15:302:CLA:HBA2 | 1.89 | 0.54 |
| 9:15:232:ASN:ND2 | 11:15:309:CLA:OBD | 2.41 | 0.54 |
| 3:8:236:MET:HE1 | 11:8:305:CLA:H43 | 1.90 | 0.53 |
| 16:8:320:LMG:HC8 | 16:8:323:LMG:H292 | 1.90 | 0.53 |
| 8:14:159:MET:O | 8:14:160:ARG:NH2 | 2.41 | 0.53 |
| 1:6:118:LEU:HB3 | 1:6:123:ALA:HB3 | 1.88 | 0.53 |
| 6:12:88:HIS:NE2 | 6:12:100:GLU:OE1 | 2.42 | 0.53 |
| 9:15:154:LEU:HA | 9:15:157:LYS:HE3 | 1.91 | 0.53 |
| 3:8:187:LEU:HG | 11:8:303:CLA:H12 | 1.91 | 0.52 |
| 5:11:184:ARG:HD3 | 5:11:185:GLU:HG2 | 1.92 | 0.52 |
| 3:8:270:PHE:HA | 11:8:308:CLA:HED2 | 1.90 | 0.52 |
| 1:6:98:ARG:NH2 | 1:6:109:LEU:O | 2.42 | 0.52 |
| 9:15:253:VAL:HG23 | 9:15:254:PRO:HD3 | 1.92 | 0.52 |
| 8:14:226:VAL:HG13 | 8:14:229:SER:HB2 | 1.91 | 0.52 |
| 10:16:80:GLU:OE1 | 11:16:301:CLA:NA | 2.42 | 0.52 |
| 3:8:264:ASN:ND2 | 3:8:270:PHE:O | 2.43 | 0.52 |
| 9:15:171:ASP:OD1 | 9:15:186:ARG:NH1 | 2.43 | 0.52 |
| 1:6:144:GLN:HA | 1:6:148:GLU:HB2 | 1.92 | 0.51 |
| 6:12:94:SER:OG | 6:12:95:SER:N | 2.44 | 0.51 |
| 8:14:114:ASP:OD2 | 8:14:114:ASP:N | 2.43 | 0.51 |
| 10:16:65:ALA:HB2 | 11:16:301:CLA:HBA1 | 1.93 | 0.51 |
| 3:8:161:GLU:O | 3:8:167:ASN:ND2 | 2.44 | 0.51 |
| 3:8:71:GLU:OE1 | 3:8:81:ARG:NH2 | 2.43 | 0.51 |
| 2:7:147:ASP:N | 2:7:147:ASP:OD1 | 2.44 | 0.50 |
| 3:8:257:GLN:NE2 | 14:8:315:A86:O2 | 2.44 | 0.50 |
| 11:12:308:CLA:HMC2 | 17:12:319:LMT:H121 | 1.94 | 0.50 |
| 1:6:198:ALA:HA | 1:6:208:VAL:HA | 1.94 | 0.50 |
| 10:16:172:THR:HG22 | 10:16:174:ASN:H | 1.75 | 0.50 |
| 11:10:304:CLA:HED3 | 11:10:304:CLA:H2 | 1.94 | 0.49 |
| 7:13:173:THR:OG1 | 7:13:188:MET:SD | 2.64 | 0.49 |
| 8:14:148:GLU:OE1 | 11:14:305:CLA:NA | 2.46 | 0.49 |
| 1:6:98:ARG:HB3 | 1:6:102:LEU:HD13 | 1.93 | 0.49 |
| 5:11:42:SER:OG | 5:11:43:ILE:N | 2.45 | 0.49 |
| 11:10:303:CLA:H143 | 11:10:304:CLA:H202 | 1.94 | 0.49 |
| 11:12:303:CLA:H93 | 11:12:306:CLA:H51 | 1.95 | 0.49 |
| 11:10:305:CLA:H202 | 11:10:308:CLA:HMD2 | 1.94 | 0.49 |
| 11:7:303:CLA:H12 | 11:7:303:CLA:HED3 | 1.94 | 0.49 |
| 8:14:101:GLN:OE1 | 11:14:303:CLA:C4A | 2.61 | 0.48 |
| 1:6:157:PHE:HB2 | 11:6:306:CLA:HMD1 | 1.95 | 0.48 |
| 2:7:245:LYS:NZ | 7:13:90:GLU:OE2 | 2.46 | 0.48 |
| 4:10:163:LEU:HD13 | 11:10:308:CLA:H42 | 1.95 | 0.48 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|--------------------|--------------------|--------------------------|-------------------|
| 5:11:132:ALA:HB3 | 5:11:135:ASP:HB2 | 1.95 | 0.48 |
| 8:14:68:ILE:O | 14:14:317:A86:O2 | 2.32 | 0.48 |
| 11:7:305:CLA:HBB1 | 11:7:305:CLA:HHC | 1.95 | 0.48 |
| 11:7:310:CLA:H13 | 11:12:303:CLA:H191 | 1.94 | 0.48 |
| 7:13:68:SER:O | 7:13:96:ARG:NH2 | 2.47 | 0.48 |
| 5:11:205:ARG:NH2 | 11:11:303:CLA:O1D | 2.47 | 0.48 |
| 6:12:161:ALA:HA | 6:12:164:LEU:HB3 | 1.95 | 0.48 |
| 7:13:147:PRO:HD2 | 11:13:304:CLA:HAB | 1.95 | 0.48 |
| 14:11:314:A86:O3 | 17:11:316:LMT:O6' | 2.32 | 0.48 |
| 11:7:306:CLA:H151 | 11:13:302:CLA:H8 | 1.96 | 0.48 |
| 17:8:324:LMT:H5B | 17:8:324:LMT:H6E | 1.95 | 0.48 |
| 3:8:228:LYS:HB3 | 3:8:232:GLU:HG3 | 1.94 | 0.47 |
| 11:10:304:CLA:HBB1 | 11:10:307:CLA:H162 | 1.96 | 0.47 |
| 7:13:99:GLU:OE2 | 7:13:219:ARG:NE | 2.38 | 0.47 |
| 11:15:307:CLA:HBB1 | 11:15:307:CLA:HHC | 1.96 | 0.47 |
| 11:6:311:CLA:H41 | 11:6:311:CLA:H62 | 1.59 | 0.47 |
| 6:12:169:ASP:HB2 | 11:12:308:CLA:HED2 | 1.96 | 0.47 |
| 7:13:61:SER:OG | 7:13:62:LYS:N | 2.47 | 0.47 |
| 11:6:301:CLA:H202 | 2:7:209:ILE:HD13 | 1.95 | 0.47 |
| 11:11:303:CLA:H41 | 11:11:303:CLA:H61 | 1.61 | 0.47 |
| 11:13:301:CLA:H71 | 11:13:302:CLA:HMA1 | 1.96 | 0.47 |
| 10:16:122:LEU:HD11 | 10:16:200:VAL:HG12 | 1.97 | 0.47 |
| 11:10:303:CLA:H192 | 11:10:307:CLA:H203 | 1.97 | 0.47 |
| 11:14:307:CLA:HBB2 | 11:15:313:CLA:H93 | 1.97 | 0.46 |
| 9:15:132:THR:HG23 | 9:15:134:ALA:H | 1.80 | 0.46 |
| 10:16:187:ASN:HA | 10:16:190:ARG:HD2 | 1.96 | 0.46 |
| 2:7:116:PHE:HB3 | 3:8:217:PHE:HA | 1.97 | 0.46 |
| 17:12:319:LMT:H111 | 11:16:310:CLA:HMB3 | 1.98 | 0.46 |
| 10:16:77:ARG:HG3 | 10:16:160:LEU:HD21 | 1.98 | 0.46 |
| 1:6:128:PHE:HB2 | 11:6:311:CLA:HAC1 | 1.98 | 0.46 |
| 11:15:302:CLA:H62 | 11:15:302:CLA:H41 | 1.75 | 0.46 |
| 8:14:183:ASN:O | 14:14:320:A86:O2 | 2.35 | 0.45 |
| 11:6:304:CLA:HAB | 11:6:304:CLA:H191 | 1.97 | 0.45 |
| 11:8:303:CLA:H42 | 16:8:321:LMG:H152 | 1.98 | 0.45 |
| 9:15:228:SER:O | 9:15:232:ASN:ND2 | 2.42 | 0.45 |
| 1:6:116:ASP:OD1 | 13:6:318:DD6:O2 | 2.35 | 0.45 |
| 11:12:321:CLA:HBB1 | 11:12:321:CLA:HHC | 1.98 | 0.45 |
| 11:6:313:CLA:H2 | 11:6:313:CLA:H61 | 1.71 | 0.45 |
| 11:7:308:CLA:H52 | 11:7:308:CLA:H8 | 1.65 | 0.45 |
| 11:8:302:CLA:HBB1 | 11:8:302:CLA:HMB1 | 1.99 | 0.45 |
| 11:11:303:CLA:H162 | 11:11:303:CLA:H122 | 1.78 | 0.45 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|--------------------|--------------------|--------------------------|-------------------|
| 9:15:167:LEU:HD23 | 11:15:313:CLA:H43 | 1.99 | 0.45 |
| 3:8:73:SER:OG | 3:8:94:GLY:O | 2.31 | 0.45 |
| 9:15:179:LEU:HD23 | 9:15:186:ARG:HD2 | 1.98 | 0.45 |
| 1:6:206:PRO:O | 13:6:315:DD6:O2 | 2.34 | 0.45 |
| 17:12:301:LMT:H62 | 17:12:322:LMT:H51 | 1.98 | 0.45 |
| 10:16:77:ARG:NH2 | 11:16:301:CLA:O1D | 2.45 | 0.45 |
| 10:16:188:ASN:ND2 | 11:16:307:CLA:OBD | 2.49 | 0.45 |
| 16:7:319:LMG:H121 | 12:8:313:KC1:C1C | 2.47 | 0.45 |
| 5:11:182:THR:HA | 5:11:193:LEU:HD11 | 1.99 | 0.45 |
| 11:16:303:CLA:H41 | 11:16:303:CLA:H61 | 1.73 | 0.45 |
| 11:7:308:CLA:H203 | 11:12:310:CLA:H8 | 1.99 | 0.45 |
| 9:15:116:PHE:HA | 9:15:240:ILE:HD13 | 1.99 | 0.45 |
| 9:15:227:VAL:HG13 | 11:15:309:CLA:HED2 | 1.97 | 0.45 |
| 11:7:308:CLA:H162 | 7:13:81:LEU:HD11 | 1.98 | 0.44 |
| 7:13:79:ASP:OD2 | 13:13:314:DD6:O4 | 2.35 | 0.44 |
| 9:15:62:LYS:NZ | 9:15:66:GLU:OE2 | 2.47 | 0.44 |
| 11:8:303:CLA:H8 | 11:12:303:CLA:H202 | 1.99 | 0.44 |
| 5:11:115:TRP:O | 17:11:316:LMT:O6' | 2.28 | 0.44 |
| 11:15:303:CLA:HBB1 | 11:15:303:CLA:HHC | 1.98 | 0.44 |
| 10:16:108:SER:OG | 10:16:109:SER:N | 2.51 | 0.44 |
| 5:11:77:ARG:NH1 | 5:11:172:GLY:O | 2.50 | 0.44 |
| 10:16:104:PRO:HA | 10:16:105:GLY:HA2 | 1.67 | 0.44 |
| 11:16:301:CLA:HBA2 | 11:16:301:CLA:H3A | 1.77 | 0.44 |
| 1:6:111:ALA:O | 13:6:316:DD6:O2 | 2.35 | 0.44 |
| 11:6:304:CLA:H162 | 11:6:304:CLA:H121 | 1.83 | 0.44 |
| 2:7:187:LYS:HD3 | 2:7:187:LYS:HA | 1.77 | 0.44 |
| 10:16:187:ASN:HA | 10:16:190:ARG:HB2 | 1.99 | 0.44 |
| 2:7:134:ASP:OD1 | 14:7:314:A86:O2 | 2.34 | 0.44 |
| 3:8:61:ARG:HH22 | 4:10:143:ALA:HB1 | 1.83 | 0.44 |
| 4:10:167:ASP:OD1 | 4:10:167:ASP:N | 2.49 | 0.44 |
| 7:13:73:GLU:OE2 | 7:13:216:LYS:NZ | 2.48 | 0.44 |
| 8:14:190:PHE:HA | 8:14:191:SER:HA | 1.72 | 0.44 |
| 5:11:38:ALA:HB3 | 11:11:303:CLA:HED1 | 1.98 | 0.44 |
| 2:7:236:PHE:HB2 | 11:7:306:CLA:HMD1 | 2.00 | 0.44 |
| 11:11:308:CLA:H91 | 11:11:308:CLA:H111 | 1.87 | 0.44 |
| 7:13:166:GLU:OE2 | 7:13:178:TYR:OH | 2.36 | 0.44 |
| 9:15:149:TRP:NE1 | 9:15:266:GLN:O | 2.49 | 0.44 |
| 11:6:306:CLA:H92 | 11:6:306:CLA:H62 | 1.83 | 0.44 |
| 1:6:93:VAL:O | 1:6:98:ARG:NH1 | 2.38 | 0.43 |
| 11:8:301:CLA:HBA2 | 11:8:301:CLA:H3A | 1.73 | 0.43 |
| 6:12:201:ASN:ND2 | 17:12:320:LMT:O2' | 2.49 | 0.43 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|--------------------|--------------------|--------------------------|-------------------|
| 11:13:303:CLA:H203 | 11:13:303:CLA:H161 | 1.87 | 0.43 |
| 8:14:51:SER:HB2 | 8:14:208:ASN:HD21 | 1.83 | 0.43 |
| 3:8:225:LEU:HD13 | 3:8:233:ILE:HG12 | 1.99 | 0.43 |
| 9:15:117:VAL:HA | 9:15:120:ILE:HG12 | 2.01 | 0.43 |
| 2:7:211:ILE:HG21 | 11:7:305:CLA:HMC3 | 2.01 | 0.43 |
| 7:13:180:ARG:NE | 12:13:310:KC1:O2A | 2.46 | 0.43 |
| 11:16:301:CLA:H142 | 11:16:301:CLA:H112 | 1.85 | 0.43 |
| 11:16:301:CLA:H143 | 11:16:301:CLA:H161 | 1.88 | 0.43 |
| 2:7:152:ARG:NH2 | 2:7:155:GLU:OE1 | 2.50 | 0.43 |
| 2:7:275:GLN:NE2 | 13:7:313:DD6:O4 | 2.52 | 0.43 |
| 3:8:158:PHE:HE1 | 11:8:303:CLA:HBA2 | 1.84 | 0.43 |
| 10:16:186:LEU:O | 10:16:190:ARG:N | 2.52 | 0.43 |
| 11:6:313:CLA:H8 | 11:6:313:CLA:H52 | 1.72 | 0.42 |
| 10:16:58:LYS:HE2 | 10:16:58:LYS:HB3 | 1.79 | 0.42 |
| 11:12:304:CLA:H143 | 11:12:304:CLA:H112 | 1.82 | 0.42 |
| 11:12:302:CLA:H61 | 11:12:302:CLA:H41 | 1.78 | 0.42 |
| 11:7:306:CLA:H142 | 11:7:306:CLA:H111 | 1.83 | 0.42 |
| 4:10:204:PRO:O | 13:10:313:DD6:O2 | 2.36 | 0.42 |
| 9:15:255:LEU:HA | 9:15:256:LEU:HA | 1.77 | 0.42 |
| 11:6:302:CLA:H202 | 11:6:302:CLA:H162 | 1.92 | 0.42 |
| 11:8:302:CLA:H41 | 11:8:302:CLA:H61 | 1.70 | 0.42 |
| 17:12:319:LMT:H5B | 17:12:319:LMT:H6E | 2.01 | 0.42 |
| 17:12:320:LMT:H91 | 17:12:320:LMT:H62 | 1.85 | 0.42 |
| 11:14:302:CLA:H3A | 11:14:302:CLA:HBA2 | 1.86 | 0.42 |
| 10:16:106:MET:HA | 10:16:112:SER:HA | 2.00 | 0.42 |
| 11:7:309:CLA:H41 | 11:7:309:CLA:H62 | 1.87 | 0.42 |
| 11:8:305:CLA:H93 | 11:8:305:CLA:H61 | 1.79 | 0.42 |
| 3:8:250:ALA:HA | 11:8:308:CLA:HBB1 | 2.01 | 0.42 |
| 11:8:303:CLA:H41 | 11:8:303:CLA:H62 | 1.84 | 0.42 |
| 11:14:302:CLA:H41 | 11:14:302:CLA:H62 | 1.63 | 0.42 |
| 9:15:105:GLU:HA | 9:15:108:HIS:HB2 | 2.00 | 0.42 |
| 11:15:303:CLA:H72 | 11:15:303:CLA:H111 | 1.82 | 0.42 |
| 1:6:91:VAL:HB | 1:6:205:PHE:HE1 | 1.84 | 0.41 |
| 2:7:184:ALA:HB2 | 2:7:196:ILE:HD11 | 2.02 | 0.41 |
| 11:7:302:CLA:H12 | 11:7:302:CLA:H52 | 1.82 | 0.41 |
| 6:12:121:GLN:HG2 | 11:12:310:CLA:HHC | 2.02 | 0.41 |
| 11:15:302:CLA:H93 | 11:15:302:CLA:H61 | 1.85 | 0.41 |
| 3:8:95:PHE:HE1 | 11:8:309:CLA:HBC3 | 1.84 | 0.41 |
| 11:13:307:CLA:H142 | 11:13:307:CLA:H111 | 1.88 | 0.41 |
| 11:6:306:CLA:H91 | 11:6:306:CLA:H112 | 1.86 | 0.41 |
| 3:8:170:THR:OG1 | 3:8:173:GLU:OE1 | 2.32 | 0.41 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|--------------------|--------------------|--------------------------|-------------------|
| 11:10:305:CLA:H8 | 11:10:308:CLA:H202 | 2.01 | 0.41 |
| 11:10:309:CLA:H61 | 11:10:309:CLA:H41 | 1.69 | 0.41 |
| 11:15:302:CLA:H102 | 11:15:303:CLA:H61 | 2.01 | 0.41 |
| 11:15:304:CLA:H152 | 11:15:304:CLA:H111 | 1.57 | 0.41 |
| 11:13:307:CLA:HBB1 | 11:13:307:CLA:HHC | 2.02 | 0.41 |
| 10:16:164:VAL:HG23 | 11:16:310:CLA:HED2 | 2.01 | 0.41 |
| 10:16:100:GLY:O | 10:16:102:HIS:ND1 | 2.51 | 0.41 |
| 11:16:303:CLA:H121 | 11:16:303:CLA:H8 | 1.79 | 0.41 |
| 11:7:310:CLA:H122 | 11:7:310:CLA:H162 | 1.63 | 0.41 |
| 11:15:313:CLA:HMA2 | 11:15:313:CLA:H2 | 2.03 | 0.41 |
| 1:6:54:GLY:H | 1:6:73:ARG:NH1 | 2.19 | 0.41 |
| 3:8:103:ILE:HA | 3:8:104:PRO:HD3 | 1.91 | 0.41 |
| 5:11:177:ASP:OD1 | 13:11:312:DD6:O4 | 2.38 | 0.41 |
| 6:12:134:GLU:OE1 | 6:12:140:TYR:OH | 2.26 | 0.41 |
| 11:12:308:CLA:H62 | 11:12:308:CLA:H41 | 1.83 | 0.41 |
| 11:15:313:CLA:H61 | 11:15:313:CLA:H41 | 1.73 | 0.41 |
| 1:6:160:ASP:OD1 | 13:6:315:DD6:O4 | 2.39 | 0.41 |
| 11:6:301:CLA:H3A | 11:6:301:CLA:HBA2 | 1.66 | 0.41 |
| 16:14:322:LMG:H112 | 16:14:322:LMG:H141 | 1.93 | 0.41 |
| 9:15:80:ASP:OD1 | 9:15:80:ASP:N | 2.54 | 0.41 |
| 11:16:303:CLA:HMC1 | 11:16:303:CLA:H192 | 2.03 | 0.41 |
| 3:8:188:LEU:HD12 | 3:8:188:LEU:HA | 1.95 | 0.41 |
| 11:11:307:CLA:H122 | 11:11:307:CLA:H162 | 1.65 | 0.41 |
| 10:16:80:GLU:OE1 | 11:16:301:CLA:C4A | 2.69 | 0.41 |
| 11:6:303:CLA:H3A | 11:6:303:CLA:HBA2 | 1.79 | 0.40 |
| 8:14:56:LYS:NZ | 9:15:176:GLY:O | 2.51 | 0.40 |
| 11:15:307:CLA:H3A | 11:15:312:CLA:HMC2 | 2.02 | 0.40 |
| 11:8:304:CLA:H61 | 11:8:304:CLA:H41 | 1.71 | 0.40 |
| 4:10:176:LEU:HG | 4:10:180:LYS:HE2 | 2.03 | 0.40 |
| 8:14:176:ILE:HA | 8:14:177:PRO:HD3 | 1.88 | 0.40 |
| 11:13:307:CLA:H62 | 11:13:307:CLA:H41 | 1.76 | 0.40 |
| 1:6:45:TYR:OH | 1:6:55:ASP:OD2 | 2.36 | 0.40 |
| 11:10:303:CLA:HBA2 | 11:10:303:CLA:H3A | 1.77 | 0.40 |
| 11:12:306:CLA:H112 | 11:12:306:CLA:H72 | 1.76 | 0.40 |

There are no symmetry-related clashes.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the backbone conformation was analysed, and the total number of residues.

| Mol | Chain | Analysed | Favoured | Allowed | Outliers | Percentiles | |
|-----|-------|-----------------|------------|----------|----------|-------------|-----|
| 1 | 6 | 172/208 (83%) | 170 (99%) | 2 (1%) | 0 | 100 | 100 |
| 2 | 7 | 186/296 (63%) | 178 (96%) | 8 (4%) | 0 | 100 | 100 |
| 3 | 8 | 211/270 (78%) | 205 (97%) | 6 (3%) | 0 | 100 | 100 |
| 4 | 10 | 167/207 (81%) | 152 (91%) | 13 (8%) | 2 (1%) | 13 | 27 |
| 5 | 11 | 189/229 (82%) | 171 (90%) | 18 (10%) | 0 | 100 | 100 |
| 6 | 12 | 171/204 (84%) | 160 (94%) | 11 (6%) | 0 | 100 | 100 |
| 7 | 13 | 144/244 (59%) | 136 (94%) | 8 (6%) | 0 | 100 | 100 |
| 8 | 14 | 206/249 (83%) | 177 (86%) | 29 (14%) | 0 | 100 | 100 |
| 9 | 15 | 209/281 (74%) | 173 (83%) | 35 (17%) | 1 (0%) | 29 | 52 |
| 10 | 16 | 172/218 (79%) | 156 (91%) | 16 (9%) | 0 | 100 | 100 |
| All | All | 1827/2406 (76%) | 1678 (92%) | 146 (8%) | 3 (0%) | 50 | 71 |

All (3) Ramachandran outliers are listed below:

| Mol | Chain | Res | Type |
|-----|-------|-----|------|
| 9 | 15 | 250 | PRO |
| 4 | 10 | 205 | TYR |
| 4 | 10 | 204 | PRO |

5.3.2 Protein sidechains [i](#)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the sidechain conformation was analysed, and the total number of residues.

| Mol | Chain | Analysed | Rotameric | Outliers | Percentiles | |
|-----|-------|-----------------|-------------|----------|-------------|-----|
| 1 | 6 | 140/160 (88%) | 140 (100%) | 0 | 100 | 100 |
| 2 | 7 | 143/236 (61%) | 143 (100%) | 0 | 100 | 100 |
| 3 | 8 | 171/215 (80%) | 171 (100%) | 0 | 100 | 100 |
| 4 | 10 | 133/161 (83%) | 133 (100%) | 0 | 100 | 100 |
| 5 | 11 | 154/181 (85%) | 153 (99%) | 1 (1%) | 86 | 95 |
| 6 | 12 | 136/159 (86%) | 136 (100%) | 0 | 100 | 100 |
| 7 | 13 | 112/184 (61%) | 111 (99%) | 1 (1%) | 78 | 91 |
| 8 | 14 | 166/196 (85%) | 166 (100%) | 0 | 100 | 100 |
| 9 | 15 | 171/231 (74%) | 168 (98%) | 3 (2%) | 59 | 80 |
| 10 | 16 | 139/174 (80%) | 139 (100%) | 0 | 100 | 100 |
| All | All | 1465/1897 (77%) | 1460 (100%) | 5 (0%) | 92 | 98 |

All (5) residues with a non-rotameric sidechain are listed below:

| Mol | Chain | Res | Type |
|-----|-------|-----|------|
| 5 | 11 | 184 | ARG |
| 7 | 13 | 76 | ARG |
| 9 | 15 | 138 | HIS |
| 9 | 15 | 253 | VAL |
| 9 | 15 | 271 | PHE |

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (8) such sidechains are listed below:

| Mol | Chain | Res | Type |
|-----|-------|-----|------|
| 2 | 7 | 189 | GLN |
| 3 | 8 | 167 | ASN |
| 4 | 10 | 201 | HIS |
| 8 | 14 | 82 | GLN |
| 8 | 14 | 183 | ASN |
| 8 | 14 | 209 | ASN |
| 9 | 15 | 200 | ASN |
| 10 | 16 | 177 | GLN |

5.3.3 RNA [i](#)

There are no RNA molecules in this entry.

5.4 Non-standard residues in protein, DNA, RNA chains [i](#)

There are no non-standard protein/DNA/RNA residues in this entry.

5.5 Carbohydrates [i](#)

There are no monosaccharides in this entry.

5.6 Ligand geometry [i](#)

192 ligands are modelled in this entry.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the Chemical Component Dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|-------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 11 | CLA | 12 | 321 | 8,6 | 65,73,73 | 2.02 | 17 (26%) | 76,113,113 | 2.62 | 27 (35%) |
| 11 | CLA | 13 | 301 | 7 | 65,73,73 | 1.97 | 18 (27%) | 76,113,113 | 2.75 | 30 (39%) |
| 11 | CLA | 7 | 303 | 2 | 65,73,73 | 1.96 | 16 (24%) | 76,113,113 | 2.70 | 28 (36%) |
| 11 | CLA | 14 | 304 | 8 | 45,53,73 | 2.46 | 16 (35%) | 52,89,113 | 3.18 | 23 (44%) |
| 14 | A86 | 12 | 314 | - | 44,50,50 | 3.95 | 23 (52%) | 51,76,76 | 8.15 | 19 (37%) |
| 14 | A86 | 7 | 314 | - | 44,50,50 | 3.85 | 23 (52%) | 51,76,76 | 7.93 | 18 (35%) |
| 11 | CLA | 12 | 310 | 18 | 65,73,73 | 1.98 | 18 (27%) | 76,113,113 | 2.72 | 25 (32%) |
| 11 | CLA | 15 | 313 | 9 | 65,73,73 | 2.05 | 17 (26%) | 76,113,113 | 2.73 | 28 (36%) |
| 12 | KC1 | 8 | 314 | 18,12 | 48,53,53 | 3.39 | 25 (52%) | 55,89,89 | 3.71 | 29 (52%) |
| 12 | KC1 | 11 | 304 | 5 | 48,53,53 | 3.39 | 25 (52%) | 55,89,89 | 3.82 | 30 (54%) |
| 11 | CLA | 13 | 302 | 7 | 65,73,73 | 2.02 | 17 (26%) | 76,113,113 | 2.62 | 28 (36%) |
| 11 | CLA | 11 | 308 | 5 | 65,73,73 | 2.00 | 15 (23%) | 76,113,113 | 2.73 | 29 (38%) |
| 11 | CLA | 14 | 307 | 12 | 65,73,73 | 2.06 | 17 (26%) | 76,113,113 | 2.79 | 24 (31%) |
| 17 | LMT | 12 | 320 | - | 36,36,36 | 0.35 | 0 | 47,47,47 | 0.71 | 0 |
| 11 | CLA | 8 | 302 | 3 | 65,73,73 | 2.03 | 17 (26%) | 76,113,113 | 2.78 | 25 (32%) |
| 13 | DD6 | 12 | 315 | 11 | 39,45,45 | 6.61 | 23 (58%) | 52,67,67 | 6.92 | 26 (50%) |
| 12 | KC1 | 14 | 308 | 8,11 | 48,53,53 | 3.44 | 25 (52%) | 55,89,89 | 3.77 | 29 (52%) |
| 11 | CLA | 16 | 301 | 10 | 65,73,73 | 1.98 | 16 (24%) | 76,113,113 | 2.74 | 28 (36%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 14 | A86 | 14 | 318 | - | 44,50,50 | 4.09 | 23 (52%) | 51,76,76 | 8.48 | 17 (33%) |
| 14 | A86 | 7 | 315 | - | 44,50,50 | 3.75 | 22 (50%) | 51,76,76 | 7.73 | 24 (47%) |
| 12 | KC1 | 6 | 310 | 1 | 48,53,53 | 3.40 | 23 (47%) | 55,89,89 | 3.76 | 30 (54%) |
| 11 | CLA | 15 | 302 | 9,11 | 65,73,73 | 2.05 | 16 (24%) | 76,113,113 | 2.94 | 29 (38%) |
| 11 | CLA | 7 | 309 | 2 | 65,73,73 | 2.01 | 16 (24%) | 76,113,113 | 2.65 | 26 (34%) |
| 14 | A86 | 14 | 317 | - | 44,50,50 | 4.03 | 23 (52%) | 51,76,76 | 8.74 | 18 (35%) |
| 11 | CLA | 10 | 311 | - | 45,53,73 | 2.45 | 17 (37%) | 52,89,113 | 3.16 | 22 (42%) |
| 12 | KC1 | 10 | 312 | 4 | 48,53,53 | 3.42 | 24 (50%) | 55,89,89 | 3.91 | 29 (52%) |
| 12 | KC1 | 11 | 306 | 5 | 48,53,53 | 3.46 | 26 (54%) | 55,89,89 | 3.84 | 29 (52%) |
| 14 | A86 | 11 | 315 | - | 44,50,50 | 3.94 | 23 (52%) | 51,76,76 | 8.40 | 18 (35%) |
| 11 | CLA | 16 | 303 | 10 | 65,73,73 | 2.00 | 16 (24%) | 76,113,113 | 2.85 | 28 (36%) |
| 11 | CLA | 7 | 310 | 2 | 65,73,73 | 1.98 | 16 (24%) | 76,113,113 | 2.60 | 26 (34%) |
| 11 | CLA | 16 | 310 | 10 | 45,53,73 | 2.45 | 19 (42%) | 52,89,113 | 3.17 | 26 (50%) |
| 11 | CLA | 6 | 302 | 1 | 65,73,73 | 2.03 | 17 (26%) | 76,113,113 | 2.64 | 28 (36%) |
| 11 | CLA | 15 | 309 | 9 | 65,73,73 | 2.09 | 16 (24%) | 76,113,113 | 2.70 | 25 (32%) |
| 11 | CLA | 10 | 308 | 4 | 65,73,73 | 2.00 | 15 (23%) | 76,113,113 | 2.73 | 29 (38%) |
| 12 | KC1 | 8 | 306 | 18 | 48,53,53 | 3.35 | 22 (45%) | 55,89,89 | 3.71 | 33 (60%) |
| 11 | CLA | 7 | 308 | 2 | 65,73,73 | 1.92 | 17 (26%) | 76,113,113 | 2.67 | 24 (31%) |
| 11 | CLA | 6 | 313 | 18 | 55,63,73 | 2.19 | 17 (30%) | 64,101,113 | 2.83 | 25 (39%) |
| 13 | DD6 | 12 | 317 | - | 39,45,45 | 6.69 | 22 (56%) | 52,67,67 | 7.11 | 28 (53%) |
| 12 | KC1 | 8 | 313 | 3 | 48,53,53 | 3.34 | 22 (45%) | 55,89,89 | 3.88 | 30 (54%) |
| 11 | CLA | 15 | 310 | 9 | 45,53,73 | 2.52 | 16 (35%) | 52,89,113 | 3.21 | 24 (46%) |
| 11 | CLA | 6 | 304 | 1 | 65,73,73 | 2.04 | 17 (26%) | 76,113,113 | 2.66 | 27 (35%) |
| 12 | KC1 | 11 | 310 | 5 | 48,53,53 | 3.45 | 26 (54%) | 55,89,89 | 3.82 | 29 (52%) |
| 11 | CLA | 10 | 307 | 4 | 65,73,73 | 1.96 | 18 (27%) | 76,113,113 | 2.64 | 29 (38%) |
| 14 | A86 | 10 | 315 | - | 44,50,50 | 4.12 | 22 (50%) | 51,76,76 | 8.21 | 18 (35%) |
| 14 | A86 | 15 | 320 | - | 44,50,50 | 4.24 | 24 (54%) | 51,76,76 | 8.22 | 19 (37%) |
| 11 | CLA | 15 | 306 | - | 45,53,73 | 2.46 | 17 (37%) | 52,89,113 | 3.29 | 24 (46%) |
| 11 | CLA | 16 | 305 | 10 | 50,58,73 | 2.26 | 17 (34%) | 58,95,113 | 3.00 | 27 (46%) |
| 17 | LMT | 12 | 319 | - | 36,36,36 | 0.37 | 0 | 47,47,47 | 0.80 | 0 |
| 14 | A86 | 12 | 316 | - | 44,50,50 | 4.02 | 23 (52%) | 51,76,76 | 8.31 | 17 (33%) |
| 16 | LMG | 8 | 321 | - | 42,42,55 | 0.93 | 2 (4%) | 50,50,63 | 1.33 | 4 (8%) |
| 13 | DD6 | 11 | 312 | - | 39,45,45 | 6.71 | 23 (58%) | 52,67,67 | 7.00 | 29 (55%) |
| 12 | KC1 | 13 | 310 | 7 | 48,53,53 | 3.45 | 24 (50%) | 55,89,89 | 3.77 | 29 (52%) |
| 12 | KC1 | 13 | 308 | 7 | 48,53,53 | 3.45 | 25 (52%) | 55,89,89 | 3.87 | 29 (52%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 13 | DD6 | 15 | 318 | - | 39,45,45 | 6.74 | 21 (53%) | 52,67,67 | 6.97 | 31 (59%) |
| 11 | CLA | 6 | 311 | 1 | 65,73,73 | 1.96 | 15 (23%) | 76,113,113 | 2.76 | 28 (36%) |
| 11 | CLA | 10 | 303 | 4 | 65,73,73 | 2.00 | 16 (24%) | 76,113,113 | 2.69 | 27 (35%) |
| 11 | CLA | 16 | 302 | 10 | 65,73,73 | 1.98 | 18 (27%) | 76,113,113 | 2.68 | 27 (35%) |
| 14 | A86 | 13 | 315 | - | 44,50,50 | 4.17 | 23 (52%) | 51,76,76 | 8.46 | 19 (37%) |
| 14 | A86 | 8 | 315 | - | 44,50,50 | 3.65 | 22 (50%) | 51,76,76 | 8.21 | 21 (41%) |
| 13 | DD6 | 6 | 318 | - | 39,45,45 | 6.55 | 23 (58%) | 52,67,67 | 6.75 | 28 (53%) |
| 11 | CLA | 7 | 304 | 18,2 | 65,73,73 | 2.12 | 18 (27%) | 76,113,113 | 2.82 | 28 (36%) |
| 11 | CLA | 16 | 308 | 10 | 45,53,73 | 2.46 | 17 (37%) | 52,89,113 | 3.23 | 24 (46%) |
| 13 | DD6 | 10 | 313 | - | 39,45,45 | 6.76 | 23 (58%) | 52,67,67 | 7.06 | 28 (53%) |
| 11 | CLA | 13 | 304 | 7 | 45,53,73 | 2.50 | 16 (35%) | 52,89,113 | 3.20 | 25 (48%) |
| 14 | A86 | 13 | 313 | 7 | 41,47,50 | 4.23 | 22 (53%) | 49,72,76 | 8.48 | 14 (28%) |
| 11 | CLA | 15 | 307 | 9 | 50,58,73 | 2.29 | 18 (36%) | 58,95,113 | 2.99 | 26 (44%) |
| 14 | A86 | 15 | 315 | 9 | 44,50,50 | 4.30 | 23 (52%) | 51,76,76 | 8.24 | 27 (52%) |
| 14 | A86 | 14 | 319 | 11 | 44,50,50 | 4.08 | 23 (52%) | 51,76,76 | 8.28 | 17 (33%) |
| 12 | KC1 | 8 | 312 | 12 | 48,53,53 | 3.40 | 24 (50%) | 55,89,89 | 3.39 | 28 (50%) |
| 11 | CLA | 14 | 303 | 8 | 57,65,73 | 2.19 | 16 (28%) | 66,103,113 | 2.86 | 29 (43%) |
| 13 | DD6 | 8 | 316 | - | 39,45,45 | 6.55 | 22 (56%) | 52,67,67 | 6.81 | 30 (57%) |
| 13 | DD6 | 15 | 319 | 11 | 39,45,45 | 6.77 | 22 (56%) | 52,67,67 | 6.93 | 30 (57%) |
| 17 | LMT | 8 | 319 | - | 36,36,36 | 0.39 | 0 | 47,47,47 | 0.85 | 1 (2%) |
| 11 | CLA | 7 | 305 | 2 | 65,73,73 | 1.99 | 17 (26%) | 76,113,113 | 2.61 | 27 (35%) |
| 12 | KC1 | 16 | 311 | 10 | 48,53,53 | 3.47 | 25 (52%) | 55,89,89 | 3.71 | 26 (47%) |
| 11 | CLA | 6 | 306 | 1 | 65,73,73 | 2.01 | 16 (24%) | 76,113,113 | 2.72 | 32 (42%) |
| 14 | A86 | 11 | 313 | - | 44,50,50 | 3.99 | 23 (52%) | 51,76,76 | 8.39 | 18 (35%) |
| 11 | CLA | 10 | 309 | 4 | 65,73,73 | 2.03 | 18 (27%) | 76,113,113 | 2.65 | 27 (35%) |
| 13 | DD6 | 8 | 317 | - | 39,45,45 | 6.63 | 22 (56%) | 52,67,67 | 6.94 | 29 (55%) |
| 11 | CLA | 12 | 308 | 18 | 65,73,73 | 2.00 | 18 (27%) | 76,113,113 | 2.62 | 25 (32%) |
| 11 | CLA | 15 | 312 | 9 | 45,53,73 | 2.46 | 16 (35%) | 52,89,113 | 3.32 | 28 (53%) |
| 13 | DD6 | 7 | 316 | - | 39,45,45 | 6.72 | 21 (53%) | 52,67,67 | 6.71 | 29 (55%) |
| 12 | KC1 | 16 | 304 | 10 | 48,53,53 | 3.48 | 24 (50%) | 55,89,89 | 3.57 | 27 (49%) |
| 11 | CLA | 12 | 302 | 6 | 65,73,73 | 1.97 | 17 (26%) | 76,113,113 | 2.82 | 30 (39%) |
| 12 | KC1 | 7 | 307 | 18 | 48,53,53 | 3.41 | 22 (45%) | 55,89,89 | 3.70 | 28 (50%) |
| 17 | LMT | 8 | 322 | - | 36,36,36 | 0.37 | 0 | 47,47,47 | 0.71 | 0 |
| 16 | LMG | 7 | 319 | - | 37,37,55 | 0.98 | 3 (8%) | 45,45,63 | 1.27 | 4 (8%) |
| 11 | CLA | 16 | 307 | - | 46,54,73 | 2.42 | 17 (36%) | 53,90,113 | 3.11 | 24 (45%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|------|--------------|------|----------|-------------|-------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 14 | A86 | 14 | 314 | - | 44,50,50 | 4.08 | 23 (52%) | 51,76,76 | 8.24 | 22 (43%) |
| 11 | CLA | 8 | 303 | 18 | 65,73,73 | 1.97 | 15 (23%) | 76,113,113 | 2.64 | 27 (35%) |
| 12 | KC1 | 12 | 309 | 6 | 48,53,53 | 3.40 | 23 (47%) | 55,89,89 | 3.73 | 31 (56%) |
| 12 | KC1 | 13 | 311 | 7 | 48,53,53 | 3.47 | 26 (54%) | 55,89,89 | 3.53 | 28 (50%) |
| 14 | A86 | 8 | 318 | - | 44,50,50 | 3.96 | 24 (54%) | 51,76,76 | 10.85 | 22 (43%) |
| 16 | LMG | 8 | 320 | 3,16 | 37,37,55 | 0.98 | 1 (2%) | 45,45,63 | 1.24 | 4 (8%) |
| 12 | KC1 | 12 | 311 | 6 | 48,53,53 | 3.43 | 24 (50%) | 55,89,89 | 3.93 | 31 (56%) |
| 12 | KC1 | 13 | 312 | 7 | 48,53,53 | 3.52 | 27 (56%) | 55,89,89 | 3.78 | 29 (52%) |
| 12 | KC1 | 7 | 312 | - | 48,53,53 | 3.36 | 22 (45%) | 55,89,89 | 3.81 | 29 (52%) |
| 13 | DD6 | 10 | 314 | - | 39,45,45 | 6.63 | 23 (58%) | 52,67,67 | 6.73 | 29 (55%) |
| 17 | LMT | 11 | 302 | - | 36,36,36 | 0.32 | 0 | 47,47,47 | 0.79 | 2 (4%) |
| 11 | CLA | 11 | 305 | 18 | 55,63,73 | 2.20 | 16 (29%) | 64,101,113 | 3.03 | 27 (42%) |
| 13 | DD6 | 6 | 316 | - | 39,45,45 | 6.69 | 23 (58%) | 52,67,67 | 6.50 | 30 (57%) |
| 11 | CLA | 15 | 308 | 9,11 | 45,53,73 | 2.42 | 16 (35%) | 52,89,113 | 3.13 | 27 (51%) |
| 11 | CLA | 15 | 311 | 14 | 45,53,73 | 2.48 | 16 (35%) | 52,89,113 | 3.16 | 24 (46%) |
| 16 | LMG | 14 | 322 | - | 38,38,55 | 0.97 | 3 (7%) | 46,46,63 | 1.20 | 3 (6%) |
| 13 | DD6 | 7 | 313 | - | 39,45,45 | 6.57 | 22 (56%) | 52,67,67 | 7.25 | 29 (55%) |
| 17 | LMT | 7 | 320 | - | 36,36,36 | 0.30 | 0 | 47,47,47 | 0.71 | 1 (2%) |
| 14 | A86 | 10 | 316 | - | 44,50,50 | 3.92 | 23 (52%) | 51,76,76 | 7.96 | 23 (45%) |
| 11 | CLA | 13 | 307 | 7 | 65,73,73 | 2.06 | 18 (27%) | 76,113,113 | 2.67 | 28 (36%) |
| 14 | A86 | 6 | 317 | - | 44,50,50 | 4.01 | 24 (54%) | 51,76,76 | 7.16 | 21 (41%) |
| 11 | CLA | 14 | 313 | 8 | 46,54,73 | 2.42 | 16 (34%) | 53,90,113 | 3.25 | 26 (49%) |
| 11 | CLA | 10 | 304 | 4 | 65,73,73 | 2.02 | 18 (27%) | 76,113,113 | 2.65 | 26 (34%) |
| 12 | KC1 | 6 | 305 | 1 | 48,53,53 | 3.39 | 24 (50%) | 55,89,89 | 3.82 | 27 (49%) |
| 14 | A86 | 15 | 316 | 11 | 44,50,50 | 4.09 | 23 (52%) | 51,76,76 | 7.82 | 17 (33%) |
| 11 | CLA | 15 | 314 | 9,11 | 45,53,73 | 2.40 | 17 (37%) | 52,89,113 | 3.32 | 23 (44%) |
| 11 | CLA | 8 | 308 | 3 | 55,63,73 | 2.16 | 15 (27%) | 64,101,113 | 2.91 | 26 (40%) |
| 11 | CLA | 13 | 309 | - | 45,53,73 | 2.49 | 17 (37%) | 52,89,113 | 3.13 | 26 (50%) |
| 13 | DD6 | 16 | 313 | - | 39,45,45 | 6.74 | 20 (51%) | 52,67,67 | 7.14 | 30 (57%) |
| 11 | CLA | 7 | 311 | 2 | 46,54,73 | 2.42 | 17 (36%) | 53,90,113 | 3.10 | 24 (45%) |
| 14 | A86 | 14 | 321 | - | 44,50,50 | 4.17 | 23 (52%) | 51,76,76 | 8.40 | 16 (31%) |
| 14 | A86 | 7 | 318 | - | 44,50,50 | 4.01 | 23 (52%) | 51,76,76 | 7.94 | 25 (49%) |
| 17 | LMT | 8 | 324 | - | 36,36,36 | 0.40 | 0 | 47,47,47 | 0.70 | 0 |
| 12 | KC1 | 14 | 311 | 8 | 48,53,53 | 3.43 | 24 (50%) | 55,89,89 | 3.80 | 30 (54%) |
| 14 | A86 | 15 | 321 | 9 | 44,50,50 | 4.09 | 23 (52%) | 51,76,76 | 8.65 | 19 (37%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|---------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 12 | KC1 | 12 | 305 | 6 | 48,53,53 | 3.41 | 24 (50%) | 55,89,89 | 3.79 | 27 (49%) |
| 17 | LMT | 12 | 318 | - | 36,36,36 | 0.40 | 0 | 47,47,47 | 0.79 | 1 (2%) |
| 11 | CLA | 8 | 305 | 3 | 65,73,73 | 1.99 | 18 (27%) | 76,113,113 | 4.73 | 30 (39%) |
| 11 | CLA | 12 | 312 | 6 | 65,73,73 | 2.01 | 18 (27%) | 76,113,113 | 2.70 | 27 (35%) |
| 14 | A86 | 11 | 314 | - | 44,50,50 | 4.00 | 22 (50%) | 51,76,76 | 7.45 | 23 (45%) |
| 11 | CLA | 15 | 304 | 9,11,13 | 65,73,73 | 2.06 | 17 (26%) | 76,113,113 | 2.74 | 27 (35%) |
| 11 | CLA | 6 | 314 | - | 65,73,73 | 2.08 | 17 (26%) | 76,113,113 | 2.64 | 27 (35%) |
| 12 | KC1 | 13 | 305 | 7 | 48,53,53 | 3.44 | 26 (54%) | 55,89,89 | 3.76 | 29 (52%) |
| 13 | DD6 | 7 | 301 | - | 39,45,45 | 6.75 | 22 (56%) | 52,67,67 | 6.70 | 28 (53%) |
| 14 | A86 | 10 | 317 | - | 44,50,50 | 4.17 | 23 (52%) | 51,76,76 | 8.20 | 17 (33%) |
| 14 | A86 | 16 | 312 | 10 | 44,50,50 | 4.02 | 24 (54%) | 51,76,76 | 8.20 | 22 (43%) |
| 11 | CLA | 14 | 312 | 8,14 | 45,53,73 | 2.46 | 17 (37%) | 52,89,113 | 3.15 | 24 (46%) |
| 12 | KC1 | 8 | 310 | 3 | 48,53,53 | 3.31 | 22 (45%) | 55,89,89 | 3.78 | 28 (50%) |
| 11 | CLA | 14 | 309 | 8 | 45,53,73 | 2.50 | 16 (35%) | 52,89,113 | 3.09 | 24 (46%) |
| 13 | DD6 | 13 | 314 | - | 39,45,45 | 6.72 | 22 (56%) | 52,67,67 | 7.10 | 32 (61%) |
| 11 | CLA | 15 | 303 | 9,11,14 | 60,68,73 | 2.09 | 17 (28%) | 70,107,113 | 2.87 | 28 (40%) |
| 11 | CLA | 7 | 302 | 2 | 65,73,73 | 1.95 | 15 (23%) | 76,113,113 | 2.71 | 30 (39%) |
| 11 | CLA | 14 | 302 | 8 | 65,73,73 | 2.03 | 17 (26%) | 76,113,113 | 2.74 | 31 (40%) |
| 11 | CLA | 11 | 307 | 5 | 65,73,73 | 2.00 | 15 (23%) | 76,113,113 | 2.68 | 27 (35%) |
| 15 | LHG | 6 | 319 | 11 | 26,26,48 | 0.91 | 1 (3%) | 29,32,54 | 1.39 | 3 (10%) |
| 12 | KC1 | 14 | 306 | 8 | 48,53,53 | 3.43 | 24 (50%) | 55,89,89 | 3.86 | 30 (54%) |
| 14 | A86 | 15 | 322 | 11 | 44,50,50 | 4.26 | 23 (52%) | 51,76,76 | 8.45 | 22 (43%) |
| 14 | A86 | 16 | 314 | - | 44,50,50 | 4.10 | 24 (54%) | 51,76,76 | 8.52 | 21 (41%) |
| 12 | KC1 | 6 | 309 | 1 | 48,53,53 | 3.42 | 24 (50%) | 55,89,89 | 3.79 | 30 (54%) |
| 13 | DD6 | 6 | 315 | - | 39,45,45 | 6.65 | 24 (61%) | 52,67,67 | 6.62 | 27 (51%) |
| 17 | LMT | 16 | 315 | - | 36,36,36 | 0.41 | 0 | 47,47,47 | 0.64 | 0 |
| 11 | CLA | 8 | 304 | 3 | 58,66,73 | 2.07 | 15 (25%) | 67,104,113 | 2.99 | 31 (46%) |
| 11 | CLA | 7 | 306 | 2 | 65,73,73 | 1.98 | 15 (23%) | 76,113,113 | 2.75 | 26 (34%) |
| 11 | CLA | 14 | 310 | - | 50,58,73 | 2.32 | 16 (32%) | 58,95,113 | 3.10 | 26 (44%) |
| 12 | KC1 | 6 | 308 | 1 | 48,53,53 | 3.37 | 23 (47%) | 55,89,89 | 3.98 | 28 (50%) |
| 11 | CLA | 12 | 307 | 6 | 46,54,73 | 2.32 | 16 (34%) | 53,90,113 | 3.21 | 26 (49%) |
| 11 | CLA | 11 | 309 | 5 | 65,73,73 | 2.07 | 17 (26%) | 76,113,113 | 2.64 | 26 (34%) |
| 11 | CLA | 8 | 301 | 3 | 65,73,73 | 2.00 | 17 (26%) | 76,113,113 | 2.75 | 27 (35%) |
| 11 | CLA | 12 | 304 | 13,6 | 65,73,73 | 2.03 | 18 (27%) | 76,113,113 | 2.88 | 29 (38%) |
| 11 | CLA | 12 | 306 | 6 | 65,73,73 | 1.97 | 16 (24%) | 76,113,113 | 2.59 | 26 (34%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 14 | A86 | 15 | 317 | 11 | 44,50,50 | 4.15 | 23 (52%) | 51,76,76 | 8.46 | 15 (29%) |
| 17 | LMT | 12 | 322 | - | 36,36,36 | 0.43 | 0 | 47,47,47 | 0.87 | 1 (2%) |
| 11 | CLA | 6 | 303 | 18 | 65,73,73 | 2.01 | 17 (26%) | 76,113,113 | 2.72 | 27 (35%) |
| 11 | CLA | 10 | 305 | 18 | 65,73,73 | 1.99 | 16 (24%) | 76,113,113 | 2.78 | 27 (35%) |
| 11 | CLA | 8 | 309 | 3 | 47,55,73 | 2.35 | 16 (34%) | 54,91,113 | 3.04 | 24 (44%) |
| 11 | CLA | 15 | 305 | 9,14 | 45,53,73 | 2.46 | 17 (37%) | 52,89,113 | 3.16 | 26 (50%) |
| 14 | A86 | 14 | 301 | 8 | 44,50,50 | 4.06 | 23 (52%) | 51,76,76 | 8.05 | 19 (37%) |
| 11 | CLA | 6 | 307 | 15 | 65,73,73 | 2.02 | 17 (26%) | 76,113,113 | 2.58 | 28 (36%) |
| 12 | KC1 | 12 | 313 | 6 | 48,53,53 | 3.42 | 23 (47%) | 55,89,89 | 4.51 | 28 (50%) |
| 17 | LMT | 11 | 316 | - | 36,36,36 | 0.40 | 0 | 47,47,47 | 1.00 | 5 (10%) |
| 11 | CLA | 12 | 303 | 6 | 65,73,73 | 2.06 | 18 (27%) | 76,113,113 | 2.63 | 27 (35%) |
| 12 | KC1 | 8 | 307 | 3 | 48,53,53 | 3.32 | 22 (45%) | 55,89,89 | 3.85 | 30 (54%) |
| 17 | LMT | 12 | 301 | - | 36,36,36 | 0.39 | 0 | 47,47,47 | 0.79 | 0 |
| 14 | A86 | 14 | 315 | 8 | 44,50,50 | 3.95 | 23 (52%) | 51,76,76 | 8.88 | 21 (41%) |
| 12 | KC1 | 10 | 306 | 4 | 48,53,53 | 3.34 | 25 (52%) | 55,89,89 | 3.95 | 32 (58%) |
| 14 | A86 | 10 | 301 | 4 | 44,50,50 | 3.84 | 23 (52%) | 51,76,76 | 7.25 | 24 (47%) |
| 14 | A86 | 14 | 316 | - | 44,50,50 | 3.99 | 23 (52%) | 51,76,76 | 8.18 | 17 (33%) |
| 11 | CLA | 11 | 303 | 5 | 65,73,73 | 2.01 | 16 (24%) | 76,113,113 | 2.72 | 25 (32%) |
| 12 | KC1 | 11 | 311 | - | 48,53,53 | 3.41 | 24 (50%) | 55,89,89 | 3.55 | 29 (52%) |
| 14 | A86 | 14 | 320 | - | 44,50,50 | 4.12 | 23 (52%) | 51,76,76 | 7.23 | 21 (41%) |
| 11 | CLA | 16 | 309 | 10 | 45,53,73 | 2.47 | 17 (37%) | 52,89,113 | 3.26 | 24 (46%) |
| 13 | DD6 | 7 | 317 | - | 39,45,45 | 6.75 | 21 (53%) | 52,67,67 | 6.90 | 28 (53%) |
| 17 | LMT | 15 | 301 | - | 36,36,36 | 0.44 | 0 | 47,47,47 | 1.04 | 3 (6%) |
| 14 | A86 | 11 | 301 | - | 44,50,50 | 3.98 | 23 (52%) | 51,76,76 | 8.34 | 19 (37%) |
| 12 | KC1 | 13 | 306 | 7 | 48,53,53 | 3.40 | 24 (50%) | 55,89,89 | 3.76 | 30 (54%) |
| 14 | A86 | 10 | 302 | - | 44,50,50 | 4.08 | 23 (52%) | 51,76,76 | 8.60 | 20 (39%) |
| 11 | CLA | 14 | 305 | 8 | 50,58,73 | 2.31 | 16 (32%) | 58,95,113 | 3.03 | 27 (46%) |
| 11 | CLA | 6 | 312 | 1 | 45,53,73 | 2.49 | 17 (37%) | 52,89,113 | 3.11 | 23 (44%) |
| 11 | CLA | 16 | 306 | 10 | 52,60,73 | 2.26 | 18 (34%) | 60,97,113 | 2.95 | 28 (46%) |
| 16 | LMG | 8 | 323 | 16 | 29,29,55 | 1.14 | 2 (6%) | 37,37,63 | 1.27 | 5 (13%) |
| 11 | CLA | 6 | 301 | 1 | 65,73,73 | 1.97 | 15 (23%) | 76,113,113 | 2.70 | 28 (36%) |
| 11 | CLA | 13 | 303 | - | 65,73,73 | 2.07 | 16 (24%) | 76,113,113 | 2.77 | 29 (38%) |
| 12 | KC1 | 8 | 311 | 18 | 48,53,53 | 3.37 | 23 (47%) | 55,89,89 | 3.79 | 29 (52%) |
| 12 | KC1 | 10 | 310 | 4 | 48,53,53 | 3.44 | 24 (50%) | 55,89,89 | 3.94 | 30 (54%) |

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the Chemical Component Dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|-------|-----------|---------------|---------|
| 11 | CLA | 12 | 321 | 8,6 | 1/1/15/20 | 4/37/115/115 | - |
| 11 | CLA | 14 | 304 | 8 | 1/1/11/20 | 4/13/91/115 | - |
| 11 | CLA | 7 | 303 | 2 | 1/1/15/20 | 6/37/115/115 | - |
| 11 | CLA | 13 | 301 | 7 | - | 16/37/115/115 | - |
| 14 | A86 | 12 | 314 | - | - | 12/34/90/90 | 0/3/3/3 |
| 14 | A86 | 7 | 314 | - | - | 16/34/90/90 | 0/3/3/3 |
| 11 | CLA | 12 | 310 | 18 | - | 9/37/115/115 | - |
| 11 | CLA | 15 | 313 | 9 | - | 11/37/115/115 | - |
| 12 | KC1 | 8 | 314 | 18,12 | - | 6/15/71/71 | - |
| 12 | KC1 | 11 | 304 | 5 | - | 7/15/71/71 | - |
| 11 | CLA | 13 | 302 | 7 | 1/1/15/20 | 11/37/115/115 | - |
| 11 | CLA | 11 | 308 | 5 | - | 15/37/115/115 | - |
| 11 | CLA | 14 | 307 | 12 | - | 9/37/115/115 | - |
| 17 | LMT | 12 | 320 | - | - | 1/21/61/61 | 0/2/2/2 |
| 11 | CLA | 8 | 302 | 3 | 1/1/15/20 | 6/37/115/115 | - |
| 13 | DD6 | 12 | 315 | 11 | - | 9/26/80/80 | 0/3/3/3 |
| 12 | KC1 | 14 | 308 | 8,11 | - | 9/15/71/71 | - |
| 11 | CLA | 16 | 301 | 10 | - | 13/37/115/115 | - |
| 14 | A86 | 14 | 318 | - | - | 17/34/90/90 | 0/3/3/3 |
| 14 | A86 | 7 | 315 | - | - | 9/34/90/90 | 0/3/3/3 |
| 12 | KC1 | 6 | 310 | 1 | - | 6/15/71/71 | - |
| 11 | CLA | 15 | 302 | 9,11 | - | 15/37/115/115 | - |
| 11 | CLA | 7 | 309 | 2 | 1/1/15/20 | 14/37/115/115 | - |
| 14 | A86 | 14 | 317 | - | - | 15/34/90/90 | 0/3/3/3 |
| 11 | CLA | 10 | 311 | - | - | 7/13/91/115 | - |
| 12 | KC1 | 10 | 312 | 4 | - | 5/15/71/71 | - |
| 12 | KC1 | 11 | 306 | 5 | - | 10/15/71/71 | - |
| 14 | A86 | 11 | 315 | - | - | 15/34/90/90 | 0/3/3/3 |
| 11 | CLA | 16 | 303 | 10 | 1/1/15/20 | 19/37/115/115 | - |
| 11 | CLA | 7 | 310 | 2 | 1/1/15/20 | 12/37/115/115 | - |
| 11 | CLA | 16 | 310 | 10 | 1/1/11/20 | 7/13/91/115 | - |
| 11 | CLA | 6 | 302 | 1 | 1/1/15/20 | 4/37/115/115 | - |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|------|-----------|---------------|---------|
| 11 | CLA | 15 | 309 | 9 | 1/1/15/20 | 10/37/115/115 | - |
| 11 | CLA | 10 | 308 | 4 | 1/1/15/20 | 10/37/115/115 | - |
| 12 | KC1 | 8 | 306 | 18 | - | 5/15/71/71 | - |
| 11 | CLA | 7 | 308 | 2 | 1/1/15/20 | 8/37/115/115 | - |
| 11 | CLA | 6 | 313 | 18 | 1/1/13/20 | 5/25/103/115 | - |
| 13 | DD6 | 12 | 317 | - | - | 12/26/80/80 | 0/3/3/3 |
| 12 | KC1 | 8 | 313 | 3 | - | 8/15/71/71 | - |
| 11 | CLA | 15 | 310 | 9 | 1/1/11/20 | 6/13/91/115 | - |
| 11 | CLA | 6 | 304 | 1 | 1/1/15/20 | 18/37/115/115 | - |
| 12 | KC1 | 11 | 310 | 5 | - | 6/15/71/71 | - |
| 11 | CLA | 10 | 307 | 4 | 1/1/15/20 | 11/37/115/115 | - |
| 14 | A86 | 10 | 315 | - | - | 15/34/90/90 | 0/3/3/3 |
| 14 | A86 | 15 | 320 | - | - | 15/34/90/90 | 0/3/3/3 |
| 11 | CLA | 15 | 306 | - | 1/1/11/20 | 6/13/91/115 | - |
| 11 | CLA | 16 | 305 | 10 | 1/1/12/20 | 3/19/97/115 | - |
| 17 | LMT | 12 | 319 | - | - | 0/21/61/61 | 0/2/2/2 |
| 14 | A86 | 12 | 316 | - | - | 14/34/90/90 | 0/3/3/3 |
| 16 | LMG | 8 | 321 | - | - | 22/37/57/70 | 0/1/1/1 |
| 13 | DD6 | 11 | 312 | - | - | 11/26/80/80 | 0/3/3/3 |
| 12 | KC1 | 13 | 310 | 7 | - | 5/15/71/71 | - |
| 12 | KC1 | 13 | 308 | 7 | - | 10/15/71/71 | - |
| 13 | DD6 | 15 | 318 | - | - | 13/26/80/80 | 0/3/3/3 |
| 11 | CLA | 6 | 311 | 1 | - | 14/37/115/115 | - |
| 11 | CLA | 10 | 303 | 4 | - | 12/37/115/115 | - |
| 11 | CLA | 16 | 302 | 10 | 1/1/15/20 | 9/37/115/115 | - |
| 14 | A86 | 13 | 315 | - | - | 16/34/90/90 | 0/3/3/3 |
| 14 | A86 | 8 | 315 | - | - | 7/34/90/90 | 0/3/3/3 |
| 13 | DD6 | 6 | 318 | - | - | 9/26/80/80 | 0/3/3/3 |
| 11 | CLA | 7 | 304 | 18,2 | 1/1/15/20 | 8/37/115/115 | - |
| 11 | CLA | 16 | 308 | 10 | 1/1/11/20 | 6/13/91/115 | - |
| 13 | DD6 | 10 | 313 | - | - | 10/26/80/80 | 0/3/3/3 |
| 11 | CLA | 13 | 304 | 7 | - | 6/13/91/115 | - |
| 14 | A86 | 13 | 313 | 7 | - | 11/30/86/90 | 0/3/3/3 |
| 11 | CLA | 15 | 307 | 9 | 1/1/12/20 | 7/19/97/115 | - |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|------|-----------|---------------|---------|
| 14 | A86 | 15 | 315 | 9 | - | 9/34/90/90 | 0/3/3/3 |
| 14 | A86 | 14 | 319 | 11 | - | 11/34/90/90 | 0/3/3/3 |
| 12 | KC1 | 8 | 312 | 12 | - | 7/15/71/71 | - |
| 11 | CLA | 14 | 303 | 8 | 1/1/13/20 | 7/28/106/115 | - |
| 13 | DD6 | 8 | 316 | - | - | 11/26/80/80 | 0/3/3/3 |
| 13 | DD6 | 15 | 319 | 11 | - | 13/26/80/80 | 0/3/3/3 |
| 17 | LMT | 8 | 319 | - | - | 10/21/61/61 | 0/2/2/2 |
| 11 | CLA | 7 | 305 | 2 | 1/1/15/20 | 6/37/115/115 | - |
| 12 | KC1 | 16 | 311 | 10 | - | 6/15/71/71 | - |
| 11 | CLA | 6 | 306 | 1 | 1/1/15/20 | 12/37/115/115 | - |
| 14 | A86 | 11 | 313 | - | - | 13/34/90/90 | 0/3/3/3 |
| 11 | CLA | 10 | 309 | 4 | 1/1/15/20 | 12/37/115/115 | - |
| 13 | DD6 | 8 | 317 | - | - | 11/26/80/80 | 0/3/3/3 |
| 11 | CLA | 12 | 308 | 18 | 1/1/15/20 | 9/37/115/115 | - |
| 11 | CLA | 15 | 312 | 9 | 1/1/11/20 | 5/13/91/115 | - |
| 13 | DD6 | 7 | 316 | - | - | 10/26/80/80 | 0/3/3/3 |
| 12 | KC1 | 16 | 304 | 10 | - | 8/15/71/71 | - |
| 11 | CLA | 12 | 302 | 6 | - | 14/37/115/115 | - |
| 12 | KC1 | 7 | 307 | 18 | - | 7/15/71/71 | - |
| 17 | LMT | 8 | 322 | - | - | 1/21/61/61 | 0/2/2/2 |
| 16 | LMG | 7 | 319 | - | - | 12/32/52/70 | 0/1/1/1 |
| 11 | CLA | 16 | 307 | - | 1/1/11/20 | 7/15/93/115 | - |
| 14 | A86 | 14 | 314 | - | - | 13/34/90/90 | 0/3/3/3 |
| 11 | CLA | 8 | 303 | 18 | 1/1/15/20 | 10/37/115/115 | - |
| 12 | KC1 | 12 | 309 | 6 | - | 7/15/71/71 | - |
| 12 | KC1 | 13 | 311 | 7 | - | 6/15/71/71 | - |
| 14 | A86 | 8 | 318 | - | - | 14/34/90/90 | 0/3/3/3 |
| 16 | LMG | 8 | 320 | 3,16 | - | 17/32/52/70 | 0/1/1/1 |
| 12 | KC1 | 12 | 311 | 6 | - | 6/15/71/71 | - |
| 12 | KC1 | 13 | 312 | 7 | - | 7/15/71/71 | - |
| 12 | KC1 | 7 | 312 | - | - | 4/15/71/71 | - |
| 13 | DD6 | 10 | 314 | - | - | 9/26/80/80 | 0/3/3/3 |
| 17 | LMT | 11 | 302 | - | - | 0/21/61/61 | 0/2/2/2 |
| 11 | CLA | 11 | 305 | 18 | 1/1/13/20 | 8/25/103/115 | - |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|---------|-----------|---------------|---------|
| 13 | DD6 | 6 | 316 | - | - | 11/26/80/80 | 0/3/3/3 |
| 11 | CLA | 15 | 308 | 9,11 | 1/1/11/20 | 6/13/91/115 | - |
| 11 | CLA | 15 | 311 | 14 | 1/1/11/20 | 8/13/91/115 | - |
| 16 | LMG | 14 | 322 | - | - | 14/33/53/70 | 0/1/1/1 |
| 13 | DD6 | 7 | 313 | - | - | 11/26/80/80 | 0/3/3/3 |
| 17 | LMT | 7 | 320 | - | - | 4/21/61/61 | 0/2/2/2 |
| 14 | A86 | 10 | 316 | - | - | 11/34/90/90 | 0/3/3/3 |
| 11 | CLA | 13 | 307 | 7 | 1/1/15/20 | 10/37/115/115 | - |
| 14 | A86 | 6 | 317 | - | - | 8/34/90/90 | 0/3/3/3 |
| 11 | CLA | 14 | 313 | 8 | 1/1/11/20 | 4/15/93/115 | - |
| 11 | CLA | 10 | 304 | 4 | 1/1/15/20 | 2/37/115/115 | - |
| 12 | KC1 | 6 | 305 | 1 | - | 6/15/71/71 | - |
| 14 | A86 | 15 | 316 | 11 | - | 14/34/90/90 | 0/3/3/3 |
| 11 | CLA | 15 | 314 | 9,11 | - | 4/13/91/115 | - |
| 11 | CLA | 8 | 308 | 3 | 1/1/13/20 | 10/25/103/115 | - |
| 11 | CLA | 13 | 309 | - | 1/1/11/20 | 6/13/91/115 | - |
| 13 | DD6 | 16 | 313 | - | - | 13/26/80/80 | 0/3/3/3 |
| 11 | CLA | 7 | 311 | 2 | - | 6/15/93/115 | - |
| 14 | A86 | 14 | 321 | - | - | 15/34/90/90 | 0/3/3/3 |
| 14 | A86 | 7 | 318 | - | - | 9/34/90/90 | 0/3/3/3 |
| 17 | LMT | 8 | 324 | - | - | 5/21/61/61 | 0/2/2/2 |
| 12 | KC1 | 14 | 311 | 8 | - | 5/15/71/71 | - |
| 14 | A86 | 15 | 321 | 9 | - | 13/34/90/90 | 0/3/3/3 |
| 12 | KC1 | 12 | 305 | 6 | - | 7/15/71/71 | - |
| 17 | LMT | 12 | 318 | - | - | 1/21/61/61 | 0/2/2/2 |
| 11 | CLA | 12 | 312 | 6 | 1/1/15/20 | 12/37/115/115 | - |
| 11 | CLA | 8 | 305 | 3 | - | 13/37/115/115 | - |
| 14 | A86 | 11 | 314 | - | - | 18/34/90/90 | 0/3/3/3 |
| 11 | CLA | 15 | 304 | 9,11,13 | 1/1/15/20 | 21/37/115/115 | - |
| 11 | CLA | 6 | 314 | - | 1/1/15/20 | 6/37/115/115 | - |
| 12 | KC1 | 13 | 305 | 7 | - | 10/15/71/71 | - |
| 13 | DD6 | 7 | 301 | - | - | 11/26/80/80 | 0/3/3/3 |
| 14 | A86 | 10 | 317 | - | - | 10/34/90/90 | 0/3/3/3 |
| 14 | A86 | 16 | 312 | 10 | - | 12/34/90/90 | 0/3/3/3 |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|---------|-----------|---------------|---------|
| 11 | CLA | 14 | 312 | 8,14 | - | 7/13/91/115 | - |
| 12 | KC1 | 8 | 310 | 3 | - | 7/15/71/71 | - |
| 11 | CLA | 14 | 309 | 8 | 1/1/11/20 | 3/13/91/115 | - |
| 13 | DD6 | 13 | 314 | - | - | 13/26/80/80 | 0/3/3/3 |
| 11 | CLA | 15 | 303 | 9,11,14 | 1/1/14/20 | 9/31/109/115 | - |
| 11 | CLA | 7 | 302 | 2 | 1/1/15/20 | 13/37/115/115 | - |
| 11 | CLA | 14 | 302 | 8 | 1/1/15/20 | 14/37/115/115 | - |
| 11 | CLA | 11 | 307 | 5 | 1/1/15/20 | 10/37/115/115 | - |
| 15 | LHG | 6 | 319 | 11 | - | 13/31/31/53 | - |
| 12 | KC1 | 14 | 306 | 8 | - | 7/15/71/71 | - |
| 14 | A86 | 15 | 322 | 11 | - | 15/34/90/90 | 0/3/3/3 |
| 14 | A86 | 16 | 314 | - | - | 11/34/90/90 | 0/3/3/3 |
| 12 | KC1 | 6 | 309 | 1 | - | 5/15/71/71 | - |
| 13 | DD6 | 6 | 315 | - | - | 10/26/80/80 | 0/3/3/3 |
| 17 | LMT | 16 | 315 | - | - | 5/21/61/61 | 0/2/2/2 |
| 11 | CLA | 8 | 304 | 3 | 1/1/13/20 | 11/29/107/115 | - |
| 11 | CLA | 7 | 306 | 2 | - | 21/37/115/115 | - |
| 11 | CLA | 14 | 310 | - | 1/1/12/20 | 5/19/97/115 | - |
| 12 | KC1 | 6 | 308 | 1 | - | 8/15/71/71 | - |
| 11 | CLA | 12 | 307 | 6 | 1/1/11/20 | 7/15/93/115 | - |
| 11 | CLA | 11 | 309 | 5 | 1/1/15/20 | 15/37/115/115 | - |
| 11 | CLA | 8 | 301 | 3 | 1/1/15/20 | 15/37/115/115 | - |
| 11 | CLA | 12 | 304 | 13,6 | 1/1/15/20 | 14/37/115/115 | - |
| 11 | CLA | 12 | 306 | 6 | 1/1/15/20 | 6/37/115/115 | - |
| 14 | A86 | 15 | 317 | 11 | - | 16/34/90/90 | 0/3/3/3 |
| 17 | LMT | 12 | 322 | - | - | 1/21/61/61 | 0/2/2/2 |
| 11 | CLA | 6 | 303 | 18 | 1/1/15/20 | 7/37/115/115 | - |
| 11 | CLA | 10 | 305 | 18 | 1/1/15/20 | 8/37/115/115 | - |
| 11 | CLA | 15 | 305 | 9,14 | 1/1/11/20 | 8/13/91/115 | - |
| 11 | CLA | 8 | 309 | 3 | - | 3/16/94/115 | - |
| 14 | A86 | 14 | 301 | 8 | - | 8/34/90/90 | 0/3/3/3 |
| 11 | CLA | 6 | 307 | 15 | 1/1/15/20 | 10/37/115/115 | - |
| 12 | KC1 | 12 | 313 | 6 | - | 7/15/71/71 | - |
| 17 | LMT | 11 | 316 | - | - | 1/21/61/61 | 0/2/2/2 |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|------|-----------|---------------|---------|
| 11 | CLA | 12 | 303 | 6 | 1/1/15/20 | 7/37/115/115 | - |
| 12 | KC1 | 8 | 307 | 3 | - | 8/15/71/71 | - |
| 17 | LMT | 12 | 301 | - | - | 3/21/61/61 | 0/2/2/2 |
| 14 | A86 | 14 | 315 | 8 | - | 11/34/90/90 | 0/3/3/3 |
| 12 | KC1 | 10 | 306 | 4 | - | 8/15/71/71 | - |
| 14 | A86 | 10 | 301 | 4 | - | 9/34/90/90 | 0/3/3/3 |
| 14 | A86 | 14 | 316 | - | - | 12/34/90/90 | 0/3/3/3 |
| 11 | CLA | 11 | 303 | 5 | - | 10/37/115/115 | - |
| 12 | KC1 | 11 | 311 | - | - | 9/15/71/71 | - |
| 14 | A86 | 14 | 320 | - | - | 9/34/90/90 | 0/3/3/3 |
| 11 | CLA | 16 | 309 | 10 | - | 4/13/91/115 | - |
| 13 | DD6 | 7 | 317 | - | - | 15/26/80/80 | 0/3/3/3 |
| 17 | LMT | 15 | 301 | - | - | 7/21/61/61 | 0/2/2/2 |
| 14 | A86 | 11 | 301 | - | - | 12/34/90/90 | 0/3/3/3 |
| 12 | KC1 | 13 | 306 | 7 | - | 11/15/71/71 | - |
| 14 | A86 | 10 | 302 | - | - | 13/34/90/90 | 0/3/3/3 |
| 11 | CLA | 14 | 305 | 8 | 1/1/12/20 | 2/19/97/115 | - |
| 11 | CLA | 6 | 312 | 1 | 1/1/11/20 | 4/13/91/115 | - |
| 11 | CLA | 16 | 306 | 10 | 1/1/12/20 | 13/22/100/115 | - |
| 16 | LMG | 8 | 323 | 16 | - | 5/24/44/70 | 0/1/1/1 |
| 11 | CLA | 6 | 301 | 1 | 1/1/15/20 | 12/37/115/115 | - |
| 11 | CLA | 13 | 303 | - | - | 16/37/115/115 | - |
| 12 | KC1 | 8 | 311 | 18 | - | 8/15/71/71 | - |
| 12 | KC1 | 10 | 310 | 4 | - | 8/15/71/71 | - |

All (3477) bond length outliers are listed below:

| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 13 | 11 | 312 | DD6 | C10-C11 | 26.03 | 1.70 | 1.35 |
| 13 | 10 | 313 | DD6 | C10-C11 | 25.96 | 1.70 | 1.35 |
| 13 | 7 | 317 | DD6 | C10-C11 | 25.86 | 1.70 | 1.35 |
| 13 | 15 | 318 | DD6 | C10-C11 | 25.75 | 1.69 | 1.35 |
| 13 | 10 | 314 | DD6 | C10-C11 | 25.68 | 1.69 | 1.35 |
| 13 | 15 | 319 | DD6 | C10-C11 | 25.62 | 1.69 | 1.35 |
| 13 | 12 | 317 | DD6 | C10-C11 | 25.58 | 1.69 | 1.35 |
| 13 | 13 | 314 | DD6 | C10-C11 | 25.57 | 1.69 | 1.35 |
| 13 | 7 | 301 | DD6 | C10-C11 | 25.53 | 1.69 | 1.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 13 | 7 | 316 | DD6 | C10-C11 | 25.50 | 1.69 | 1.35 |
| 13 | 16 | 313 | DD6 | C10-C11 | 25.39 | 1.69 | 1.35 |
| 13 | 6 | 315 | DD6 | C10-C11 | 25.26 | 1.69 | 1.35 |
| 13 | 12 | 315 | DD6 | C10-C11 | 25.22 | 1.69 | 1.35 |
| 13 | 8 | 317 | DD6 | C10-C11 | 24.99 | 1.68 | 1.35 |
| 13 | 6 | 318 | DD6 | C10-C11 | 24.90 | 1.68 | 1.35 |
| 13 | 6 | 316 | DD6 | C10-C11 | 24.88 | 1.68 | 1.35 |
| 13 | 7 | 313 | DD6 | C10-C11 | 24.85 | 1.68 | 1.35 |
| 13 | 8 | 316 | DD6 | C10-C11 | 24.78 | 1.68 | 1.35 |
| 13 | 6 | 316 | DD6 | C5-C6 | 18.43 | 1.60 | 1.35 |
| 13 | 7 | 316 | DD6 | C5-C6 | 17.75 | 1.59 | 1.35 |
| 13 | 10 | 313 | DD6 | C5-C6 | 17.64 | 1.59 | 1.35 |
| 13 | 16 | 313 | DD6 | C5-C6 | 17.63 | 1.59 | 1.35 |
| 13 | 7 | 317 | DD6 | C5-C6 | 17.57 | 1.59 | 1.35 |
| 13 | 13 | 314 | DD6 | C5-C6 | 17.57 | 1.59 | 1.35 |
| 13 | 12 | 317 | DD6 | C5-C6 | 17.44 | 1.58 | 1.35 |
| 13 | 7 | 301 | DD6 | C5-C6 | 17.40 | 1.58 | 1.35 |
| 13 | 8 | 316 | DD6 | C5-C6 | 17.39 | 1.58 | 1.35 |
| 13 | 6 | 315 | DD6 | C5-C6 | 17.34 | 1.58 | 1.35 |
| 13 | 10 | 314 | DD6 | C5-C6 | 17.27 | 1.58 | 1.35 |
| 13 | 15 | 318 | DD6 | C5-C6 | 17.16 | 1.58 | 1.35 |
| 13 | 15 | 319 | DD6 | C5-C6 | 17.13 | 1.58 | 1.35 |
| 13 | 11 | 312 | DD6 | C5-C6 | 17.07 | 1.58 | 1.35 |
| 13 | 8 | 317 | DD6 | C5-C6 | 17.05 | 1.58 | 1.35 |
| 13 | 7 | 313 | DD6 | C5-C6 | 16.97 | 1.58 | 1.35 |
| 13 | 6 | 318 | DD6 | C5-C6 | 16.96 | 1.58 | 1.35 |
| 13 | 12 | 315 | DD6 | C5-C6 | 16.94 | 1.58 | 1.35 |
| 14 | 15 | 322 | A86 | C14-C13 | 15.11 | 1.69 | 1.51 |
| 14 | 10 | 317 | A86 | C14-C13 | 14.83 | 1.69 | 1.51 |
| 14 | 15 | 315 | A86 | C14-C13 | 14.63 | 1.68 | 1.51 |
| 14 | 16 | 314 | A86 | C14-C13 | 14.49 | 1.68 | 1.51 |
| 14 | 15 | 320 | A86 | C14-C13 | 14.37 | 1.68 | 1.51 |
| 14 | 14 | 320 | A86 | C14-C13 | 14.21 | 1.68 | 1.51 |
| 14 | 15 | 321 | A86 | C14-C13 | 14.21 | 1.68 | 1.51 |
| 14 | 10 | 315 | A86 | C14-C13 | 14.18 | 1.68 | 1.51 |
| 14 | 11 | 314 | A86 | C14-C13 | 14.15 | 1.68 | 1.51 |
| 14 | 7 | 318 | A86 | C14-C13 | 14.11 | 1.68 | 1.51 |
| 14 | 14 | 301 | A86 | C14-C13 | 14.10 | 1.68 | 1.51 |
| 14 | 13 | 315 | A86 | C14-C13 | 14.09 | 1.68 | 1.51 |
| 13 | 15 | 319 | DD6 | C36-C31 | 14.05 | 1.50 | 1.34 |
| 13 | 8 | 317 | DD6 | C36-C31 | 13.94 | 1.50 | 1.34 |
| 14 | 14 | 318 | A86 | C14-C13 | 13.92 | 1.68 | 1.51 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 14 | 15 | 317 | A86 | C14-C13 | 13.90 | 1.68 | 1.51 |
| 14 | 14 | 321 | A86 | C14-C13 | 13.86 | 1.68 | 1.51 |
| 14 | 11 | 313 | A86 | C14-C13 | 13.78 | 1.67 | 1.51 |
| 14 | 15 | 316 | A86 | C14-C13 | 13.78 | 1.67 | 1.51 |
| 14 | 10 | 316 | A86 | C14-C13 | 13.73 | 1.67 | 1.51 |
| 14 | 14 | 316 | A86 | C14-C13 | 13.69 | 1.67 | 1.51 |
| 14 | 14 | 319 | A86 | C14-C13 | 13.68 | 1.67 | 1.51 |
| 14 | 14 | 315 | A86 | C14-C13 | 13.62 | 1.67 | 1.51 |
| 13 | 13 | 314 | DD6 | C36-C31 | 13.61 | 1.50 | 1.34 |
| 13 | 6 | 318 | DD6 | C36-C31 | 13.61 | 1.50 | 1.34 |
| 14 | 10 | 302 | A86 | C14-C13 | 13.61 | 1.67 | 1.51 |
| 13 | 7 | 301 | DD6 | C36-C31 | 13.59 | 1.50 | 1.34 |
| 14 | 12 | 314 | A86 | C14-C13 | 13.57 | 1.67 | 1.51 |
| 14 | 8 | 318 | A86 | C14-C13 | 13.57 | 1.67 | 1.51 |
| 13 | 6 | 316 | DD6 | C36-C31 | 13.55 | 1.50 | 1.34 |
| 14 | 14 | 314 | A86 | C14-C13 | 13.55 | 1.67 | 1.51 |
| 14 | 14 | 317 | A86 | C14-C13 | 13.55 | 1.67 | 1.51 |
| 13 | 7 | 316 | DD6 | C36-C31 | 13.54 | 1.50 | 1.34 |
| 13 | 7 | 317 | DD6 | C36-C31 | 13.49 | 1.50 | 1.34 |
| 14 | 12 | 316 | A86 | C14-C13 | 13.49 | 1.67 | 1.51 |
| 13 | 16 | 313 | DD6 | C36-C31 | 13.48 | 1.49 | 1.34 |
| 14 | 16 | 312 | A86 | C14-C13 | 13.47 | 1.67 | 1.51 |
| 14 | 13 | 313 | A86 | C14-C13 | 13.45 | 1.67 | 1.51 |
| 14 | 10 | 301 | A86 | C14-C13 | 13.44 | 1.67 | 1.51 |
| 14 | 11 | 315 | A86 | C14-C13 | 13.37 | 1.67 | 1.51 |
| 14 | 7 | 315 | A86 | C14-C13 | 13.28 | 1.67 | 1.51 |
| 14 | 6 | 317 | A86 | C14-C13 | 13.26 | 1.67 | 1.51 |
| 14 | 7 | 314 | A86 | C14-C13 | 13.25 | 1.67 | 1.51 |
| 14 | 11 | 301 | A86 | C14-C13 | 13.24 | 1.67 | 1.51 |
| 13 | 15 | 318 | DD6 | C36-C31 | 13.21 | 1.49 | 1.34 |
| 13 | 7 | 313 | DD6 | C36-C31 | 13.18 | 1.49 | 1.34 |
| 13 | 11 | 312 | DD6 | C36-C31 | 13.17 | 1.49 | 1.34 |
| 13 | 10 | 313 | DD6 | C36-C31 | 13.17 | 1.49 | 1.34 |
| 13 | 12 | 315 | DD6 | C36-C31 | 13.16 | 1.49 | 1.34 |
| 13 | 8 | 316 | DD6 | C36-C31 | 13.13 | 1.49 | 1.34 |
| 13 | 12 | 317 | DD6 | C36-C31 | 13.02 | 1.49 | 1.34 |
| 13 | 6 | 315 | DD6 | C36-C31 | 13.01 | 1.49 | 1.34 |
| 13 | 10 | 314 | DD6 | C36-C31 | 12.91 | 1.49 | 1.34 |
| 14 | 8 | 315 | A86 | C14-C13 | 12.35 | 1.66 | 1.51 |
| 12 | 13 | 312 | KC1 | C1D-ND | 10.13 | 1.44 | 1.35 |
| 12 | 13 | 311 | KC1 | C1D-ND | 10.04 | 1.44 | 1.35 |
| 12 | 16 | 304 | KC1 | C1D-ND | 9.96 | 1.44 | 1.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 12 | 11 | 306 | KC1 | C1D-ND | 9.87 | 1.44 | 1.35 |
| 12 | 12 | 313 | KC1 | C1D-ND | 9.86 | 1.44 | 1.35 |
| 12 | 14 | 311 | KC1 | C1D-ND | 9.75 | 1.43 | 1.35 |
| 12 | 13 | 308 | KC1 | C1D-ND | 9.71 | 1.43 | 1.35 |
| 12 | 10 | 310 | KC1 | C1D-ND | 9.70 | 1.43 | 1.35 |
| 12 | 6 | 309 | KC1 | C1D-ND | 9.66 | 1.43 | 1.35 |
| 12 | 16 | 311 | KC1 | C1D-ND | 9.65 | 1.43 | 1.35 |
| 12 | 14 | 308 | KC1 | C1D-ND | 9.63 | 1.43 | 1.35 |
| 12 | 11 | 304 | KC1 | C1D-ND | 9.62 | 1.43 | 1.35 |
| 12 | 11 | 311 | KC1 | C1D-ND | 9.59 | 1.43 | 1.35 |
| 12 | 11 | 310 | KC1 | C1D-ND | 9.58 | 1.43 | 1.35 |
| 12 | 13 | 306 | KC1 | C1D-ND | 9.57 | 1.43 | 1.35 |
| 12 | 13 | 310 | KC1 | C1D-ND | 9.55 | 1.43 | 1.35 |
| 12 | 12 | 309 | KC1 | C1D-ND | 9.55 | 1.43 | 1.35 |
| 12 | 10 | 306 | KC1 | C1D-ND | 9.54 | 1.43 | 1.35 |
| 12 | 12 | 305 | KC1 | C1D-ND | 9.51 | 1.43 | 1.35 |
| 12 | 13 | 305 | KC1 | C1D-ND | 9.51 | 1.43 | 1.35 |
| 12 | 6 | 310 | KC1 | C1D-ND | 9.51 | 1.43 | 1.35 |
| 12 | 7 | 307 | KC1 | C1D-ND | 9.49 | 1.43 | 1.35 |
| 12 | 10 | 312 | KC1 | C1D-ND | 9.46 | 1.43 | 1.35 |
| 12 | 12 | 311 | KC1 | C1D-ND | 9.45 | 1.43 | 1.35 |
| 12 | 8 | 314 | KC1 | C1D-ND | 9.41 | 1.43 | 1.35 |
| 12 | 8 | 312 | KC1 | C1D-ND | 9.37 | 1.43 | 1.35 |
| 12 | 6 | 308 | KC1 | C1D-ND | 9.36 | 1.43 | 1.35 |
| 12 | 7 | 312 | KC1 | C1D-ND | 9.36 | 1.43 | 1.35 |
| 14 | 15 | 320 | A86 | C30-C29 | 9.30 | 1.47 | 1.32 |
| 14 | 15 | 317 | A86 | C30-C29 | 9.29 | 1.47 | 1.32 |
| 14 | 15 | 322 | A86 | C30-C29 | 9.26 | 1.47 | 1.32 |
| 12 | 8 | 310 | KC1 | C1D-ND | 9.26 | 1.43 | 1.35 |
| 12 | 14 | 306 | KC1 | C1D-ND | 9.25 | 1.43 | 1.35 |
| 12 | 8 | 307 | KC1 | C1D-ND | 9.21 | 1.43 | 1.35 |
| 14 | 15 | 315 | A86 | C30-C29 | 9.21 | 1.47 | 1.32 |
| 14 | 13 | 313 | A86 | C30-C29 | 9.21 | 1.47 | 1.32 |
| 12 | 8 | 306 | KC1 | C1D-ND | 9.19 | 1.43 | 1.35 |
| 14 | 14 | 321 | A86 | C30-C29 | 9.18 | 1.47 | 1.32 |
| 14 | 10 | 317 | A86 | C30-C29 | 9.14 | 1.47 | 1.32 |
| 14 | 10 | 302 | A86 | C30-C29 | 9.13 | 1.47 | 1.32 |
| 14 | 10 | 315 | A86 | C30-C29 | 9.13 | 1.47 | 1.32 |
| 14 | 6 | 317 | A86 | C30-C29 | 9.12 | 1.47 | 1.32 |
| 14 | 13 | 315 | A86 | C30-C29 | 9.12 | 1.47 | 1.32 |
| 12 | 8 | 313 | KC1 | C1D-ND | 9.10 | 1.43 | 1.35 |
| 12 | 6 | 305 | KC1 | C1D-ND | 9.09 | 1.43 | 1.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 14 | 14 | 317 | A86 | C30-C29 | 9.08 | 1.47 | 1.32 |
| 12 | 8 | 311 | KC1 | C1D-ND | 9.06 | 1.43 | 1.35 |
| 14 | 14 | 320 | A86 | C30-C29 | 9.03 | 1.47 | 1.32 |
| 14 | 12 | 316 | A86 | C30-C29 | 9.00 | 1.47 | 1.32 |
| 14 | 16 | 312 | A86 | C30-C29 | 8.97 | 1.46 | 1.32 |
| 14 | 14 | 316 | A86 | C30-C29 | 8.96 | 1.46 | 1.32 |
| 14 | 14 | 318 | A86 | C30-C29 | 8.95 | 1.46 | 1.32 |
| 14 | 7 | 318 | A86 | C30-C29 | 8.94 | 1.46 | 1.32 |
| 13 | 12 | 315 | DD6 | C23-C16 | 8.94 | 1.71 | 1.53 |
| 14 | 14 | 314 | A86 | C30-C29 | 8.93 | 1.46 | 1.32 |
| 13 | 15 | 319 | DD6 | C23-C16 | 8.90 | 1.71 | 1.53 |
| 14 | 14 | 301 | A86 | C30-C29 | 8.89 | 1.46 | 1.32 |
| 14 | 15 | 316 | A86 | C30-C29 | 8.84 | 1.46 | 1.32 |
| 14 | 15 | 321 | A86 | C30-C29 | 8.74 | 1.46 | 1.32 |
| 14 | 11 | 315 | A86 | C30-C29 | 8.73 | 1.46 | 1.32 |
| 14 | 16 | 314 | A86 | C30-C29 | 8.71 | 1.46 | 1.32 |
| 14 | 11 | 301 | A86 | C30-C29 | 8.68 | 1.46 | 1.32 |
| 14 | 14 | 319 | A86 | C30-C29 | 8.67 | 1.46 | 1.32 |
| 13 | 10 | 313 | DD6 | C23-C16 | 8.67 | 1.70 | 1.53 |
| 14 | 11 | 314 | A86 | C30-C29 | 8.66 | 1.46 | 1.32 |
| 14 | 8 | 318 | A86 | C30-C29 | 8.63 | 1.46 | 1.32 |
| 13 | 8 | 317 | DD6 | C13-C11 | -8.57 | 1.27 | 1.45 |
| 14 | 11 | 313 | A86 | C30-C29 | 8.56 | 1.46 | 1.32 |
| 13 | 15 | 318 | DD6 | C23-C16 | 8.56 | 1.70 | 1.53 |
| 14 | 10 | 316 | A86 | C30-C29 | 8.55 | 1.46 | 1.32 |
| 14 | 10 | 301 | A86 | C30-C29 | 8.52 | 1.46 | 1.32 |
| 14 | 12 | 314 | A86 | C30-C29 | 8.50 | 1.46 | 1.32 |
| 13 | 16 | 313 | DD6 | C13-C11 | -8.48 | 1.27 | 1.45 |
| 14 | 14 | 315 | A86 | C30-C29 | 8.47 | 1.46 | 1.32 |
| 13 | 12 | 315 | DD6 | C13-C11 | -8.47 | 1.27 | 1.45 |
| 13 | 7 | 317 | DD6 | C13-C11 | -8.45 | 1.27 | 1.45 |
| 13 | 12 | 317 | DD6 | C13-C11 | -8.42 | 1.27 | 1.45 |
| 13 | 15 | 319 | DD6 | C13-C11 | -8.41 | 1.27 | 1.45 |
| 13 | 7 | 316 | DD6 | C13-C11 | -8.39 | 1.27 | 1.45 |
| 13 | 6 | 315 | DD6 | C13-C11 | -8.34 | 1.28 | 1.45 |
| 13 | 6 | 315 | DD6 | C23-C16 | 8.30 | 1.70 | 1.53 |
| 13 | 11 | 312 | DD6 | C23-C16 | 8.30 | 1.70 | 1.53 |
| 13 | 12 | 317 | DD6 | C19-C20 | 8.29 | 1.63 | 1.52 |
| 13 | 13 | 314 | DD6 | C23-C16 | 8.29 | 1.70 | 1.53 |
| 13 | 15 | 318 | DD6 | C13-C11 | -8.28 | 1.28 | 1.45 |
| 13 | 6 | 318 | DD6 | C13-C11 | -8.25 | 1.28 | 1.45 |
| 13 | 10 | 313 | DD6 | C13-C11 | -8.25 | 1.28 | 1.45 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 13 | 7 | 301 | DD6 | C2-C1 | 8.24 | 1.46 | 1.35 |
| 13 | 7 | 317 | DD6 | C23-C16 | 8.23 | 1.69 | 1.53 |
| 13 | 15 | 318 | DD6 | C2-C1 | 8.23 | 1.46 | 1.35 |
| 14 | 8 | 315 | A86 | C30-C29 | 8.22 | 1.45 | 1.32 |
| 13 | 10 | 314 | DD6 | C13-C11 | -8.20 | 1.28 | 1.45 |
| 14 | 7 | 315 | A86 | C30-C29 | 8.20 | 1.45 | 1.32 |
| 13 | 8 | 317 | DD6 | C23-C16 | 8.19 | 1.69 | 1.53 |
| 13 | 11 | 312 | DD6 | C13-C11 | -8.19 | 1.28 | 1.45 |
| 13 | 13 | 314 | DD6 | C19-C20 | 8.17 | 1.63 | 1.52 |
| 13 | 7 | 316 | DD6 | C23-C16 | 8.15 | 1.69 | 1.53 |
| 13 | 11 | 312 | DD6 | C19-C20 | 8.14 | 1.63 | 1.52 |
| 13 | 7 | 313 | DD6 | C23-C16 | 8.13 | 1.69 | 1.53 |
| 13 | 6 | 316 | DD6 | C2-C1 | 8.11 | 1.46 | 1.35 |
| 13 | 7 | 313 | DD6 | C13-C11 | -8.11 | 1.28 | 1.45 |
| 13 | 7 | 301 | DD6 | C19-C20 | 8.07 | 1.63 | 1.52 |
| 14 | 7 | 314 | A86 | C30-C29 | 8.04 | 1.45 | 1.32 |
| 13 | 6 | 316 | DD6 | C13-C11 | -8.02 | 1.28 | 1.45 |
| 13 | 6 | 315 | DD6 | C19-C20 | 8.02 | 1.63 | 1.52 |
| 13 | 12 | 317 | DD6 | C23-C16 | 8.01 | 1.69 | 1.53 |
| 13 | 6 | 318 | DD6 | C23-C16 | 8.01 | 1.69 | 1.53 |
| 13 | 7 | 313 | DD6 | C19-C20 | 7.99 | 1.63 | 1.52 |
| 13 | 10 | 313 | DD6 | C2-C1 | 7.99 | 1.46 | 1.35 |
| 13 | 13 | 314 | DD6 | C2-C1 | 7.96 | 1.46 | 1.35 |
| 14 | 10 | 302 | A86 | C8-C6 | 7.95 | 1.63 | 1.45 |
| 13 | 8 | 316 | DD6 | C23-C16 | 7.92 | 1.69 | 1.53 |
| 13 | 13 | 314 | DD6 | C13-C11 | -7.91 | 1.28 | 1.45 |
| 13 | 11 | 312 | DD6 | C2-C1 | 7.89 | 1.46 | 1.35 |
| 13 | 7 | 301 | DD6 | C13-C11 | -7.89 | 1.29 | 1.45 |
| 13 | 6 | 315 | DD6 | C2-C1 | 7.89 | 1.46 | 1.35 |
| 13 | 7 | 317 | DD6 | C19-C20 | 7.89 | 1.63 | 1.52 |
| 13 | 16 | 313 | DD6 | C2-C1 | 7.88 | 1.46 | 1.35 |
| 14 | 13 | 313 | A86 | C4-C5 | 7.87 | 1.67 | 1.43 |
| 13 | 12 | 317 | DD6 | C2-C1 | 7.86 | 1.46 | 1.35 |
| 14 | 15 | 315 | A86 | C4-C5 | 7.83 | 1.67 | 1.43 |
| 13 | 10 | 313 | DD6 | C19-C20 | 7.83 | 1.63 | 1.52 |
| 14 | 14 | 314 | A86 | C4-C5 | 7.81 | 1.67 | 1.43 |
| 13 | 16 | 313 | DD6 | C21-C20 | -7.77 | 1.39 | 1.51 |
| 13 | 7 | 316 | DD6 | C19-C20 | 7.76 | 1.63 | 1.52 |
| 13 | 7 | 301 | DD6 | C23-C16 | 7.74 | 1.68 | 1.53 |
| 14 | 11 | 301 | A86 | C8-C6 | 7.74 | 1.62 | 1.45 |
| 12 | 16 | 311 | KC1 | C2A-C3A | 7.73 | 1.52 | 1.37 |
| 13 | 11 | 312 | DD6 | C9-C10 | 7.72 | 1.67 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 13 | 10 | 314 | DD6 | C2-C1 | 7.72 | 1.46 | 1.35 |
| 12 | 11 | 311 | KC1 | C2A-C3A | 7.71 | 1.52 | 1.37 |
| 13 | 10 | 314 | DD6 | C19-C20 | 7.70 | 1.63 | 1.52 |
| 13 | 10 | 314 | DD6 | C23-C16 | 7.69 | 1.68 | 1.53 |
| 14 | 15 | 315 | A86 | C8-C6 | 7.69 | 1.62 | 1.45 |
| 13 | 12 | 317 | DD6 | C9-C10 | 7.68 | 1.67 | 1.43 |
| 14 | 15 | 322 | A86 | C4-C5 | 7.68 | 1.67 | 1.43 |
| 14 | 14 | 320 | A86 | C4-C5 | 7.67 | 1.67 | 1.43 |
| 13 | 7 | 317 | DD6 | C2-C1 | 7.67 | 1.45 | 1.35 |
| 14 | 8 | 318 | A86 | C4-C5 | 7.66 | 1.67 | 1.43 |
| 14 | 15 | 320 | A86 | C4-C5 | 7.65 | 1.67 | 1.43 |
| 13 | 6 | 316 | DD6 | C19-C20 | 7.65 | 1.63 | 1.52 |
| 14 | 15 | 320 | A86 | C8-C6 | 7.64 | 1.62 | 1.45 |
| 13 | 8 | 317 | DD6 | C2-C1 | 7.64 | 1.45 | 1.35 |
| 13 | 16 | 313 | DD6 | C19-C20 | 7.63 | 1.62 | 1.52 |
| 13 | 15 | 319 | DD6 | C2-C1 | 7.62 | 1.45 | 1.35 |
| 13 | 7 | 316 | DD6 | C2-C1 | 7.62 | 1.45 | 1.35 |
| 13 | 15 | 318 | DD6 | C19-C20 | 7.62 | 1.62 | 1.52 |
| 13 | 7 | 301 | DD6 | C9-C10 | 7.61 | 1.67 | 1.43 |
| 13 | 16 | 313 | DD6 | C9-C10 | 7.61 | 1.67 | 1.43 |
| 13 | 7 | 313 | DD6 | C2-C1 | 7.60 | 1.45 | 1.35 |
| 14 | 13 | 315 | A86 | C4-C5 | 7.60 | 1.67 | 1.43 |
| 13 | 8 | 316 | DD6 | C13-C11 | -7.60 | 1.29 | 1.45 |
| 13 | 8 | 316 | DD6 | C2-C1 | 7.60 | 1.45 | 1.35 |
| 13 | 6 | 316 | DD6 | C9-C10 | 7.58 | 1.66 | 1.43 |
| 13 | 15 | 319 | DD6 | C19-C20 | 7.58 | 1.62 | 1.52 |
| 13 | 7 | 316 | DD6 | C9-C10 | 7.57 | 1.66 | 1.43 |
| 13 | 13 | 314 | DD6 | C9-C10 | 7.57 | 1.66 | 1.43 |
| 14 | 14 | 319 | A86 | C4-C5 | 7.57 | 1.66 | 1.43 |
| 14 | 15 | 317 | A86 | C4-C5 | 7.57 | 1.66 | 1.43 |
| 14 | 15 | 316 | A86 | C4-C5 | 7.56 | 1.66 | 1.43 |
| 12 | 8 | 314 | KC1 | C2A-C3A | 7.56 | 1.52 | 1.37 |
| 13 | 6 | 316 | DD6 | C23-C16 | 7.55 | 1.68 | 1.53 |
| 13 | 7 | 317 | DD6 | C9-C10 | 7.54 | 1.66 | 1.43 |
| 14 | 14 | 321 | A86 | C4-C5 | 7.53 | 1.66 | 1.43 |
| 12 | 14 | 308 | KC1 | C2A-C3A | 7.53 | 1.52 | 1.37 |
| 12 | 13 | 310 | KC1 | C2A-C3A | 7.53 | 1.52 | 1.37 |
| 14 | 16 | 312 | A86 | C4-C5 | 7.52 | 1.66 | 1.43 |
| 13 | 15 | 318 | DD6 | C9-C10 | 7.51 | 1.66 | 1.43 |
| 14 | 10 | 315 | A86 | C4-C5 | 7.50 | 1.66 | 1.43 |
| 13 | 10 | 313 | DD6 | C9-C10 | 7.50 | 1.66 | 1.43 |
| 14 | 10 | 317 | A86 | C4-C5 | 7.49 | 1.66 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 13 | 15 | 319 | DD6 | C9-C10 | 7.49 | 1.66 | 1.43 |
| 14 | 14 | 318 | A86 | C4-C5 | 7.49 | 1.66 | 1.43 |
| 14 | 14 | 314 | A86 | C8-C6 | 7.48 | 1.62 | 1.45 |
| 14 | 13 | 315 | A86 | C8-C6 | 7.48 | 1.62 | 1.45 |
| 13 | 6 | 315 | DD6 | C9-C10 | 7.48 | 1.66 | 1.43 |
| 14 | 14 | 317 | A86 | C4-C5 | 7.48 | 1.66 | 1.43 |
| 13 | 16 | 313 | DD6 | C23-C16 | 7.46 | 1.68 | 1.53 |
| 13 | 12 | 315 | DD6 | C9-C10 | 7.46 | 1.66 | 1.43 |
| 14 | 13 | 313 | A86 | C8-C6 | 7.46 | 1.62 | 1.45 |
| 13 | 8 | 317 | DD6 | C19-C20 | 7.45 | 1.62 | 1.52 |
| 12 | 8 | 306 | KC1 | C2A-C3A | 7.45 | 1.52 | 1.37 |
| 12 | 14 | 311 | KC1 | C2A-C3A | 7.45 | 1.52 | 1.37 |
| 14 | 12 | 316 | A86 | C4-C5 | 7.45 | 1.66 | 1.43 |
| 12 | 16 | 304 | KC1 | C2A-C3A | 7.44 | 1.52 | 1.37 |
| 14 | 14 | 321 | A86 | C8-C6 | 7.44 | 1.61 | 1.45 |
| 13 | 10 | 314 | DD6 | C9-C10 | 7.42 | 1.66 | 1.43 |
| 13 | 8 | 316 | DD6 | C9-C10 | 7.42 | 1.66 | 1.43 |
| 14 | 10 | 302 | A86 | C4-C5 | 7.40 | 1.66 | 1.43 |
| 14 | 6 | 317 | A86 | C4-C5 | 7.40 | 1.66 | 1.43 |
| 14 | 16 | 314 | A86 | C19-C20 | 7.40 | 1.62 | 1.52 |
| 14 | 15 | 322 | A86 | C8-C6 | 7.39 | 1.61 | 1.45 |
| 13 | 12 | 315 | DD6 | C2-C1 | 7.39 | 1.45 | 1.35 |
| 14 | 14 | 319 | A86 | C8-C6 | 7.39 | 1.61 | 1.45 |
| 14 | 11 | 313 | A86 | C4-C5 | 7.38 | 1.66 | 1.43 |
| 13 | 6 | 318 | DD6 | C9-C10 | 7.37 | 1.66 | 1.43 |
| 14 | 12 | 314 | A86 | C4-C5 | 7.37 | 1.66 | 1.43 |
| 14 | 14 | 301 | A86 | C4-C5 | 7.37 | 1.66 | 1.43 |
| 12 | 7 | 307 | KC1 | C2A-C3A | 7.36 | 1.52 | 1.37 |
| 13 | 8 | 317 | DD6 | C9-C10 | 7.36 | 1.66 | 1.43 |
| 14 | 14 | 315 | A86 | C4-C5 | 7.35 | 1.66 | 1.43 |
| 14 | 15 | 317 | A86 | C8-C6 | 7.35 | 1.61 | 1.45 |
| 14 | 14 | 320 | A86 | C8-C6 | 7.35 | 1.61 | 1.45 |
| 12 | 12 | 309 | KC1 | C2A-C3A | 7.35 | 1.52 | 1.37 |
| 12 | 13 | 312 | KC1 | C2A-C3A | 7.34 | 1.52 | 1.37 |
| 14 | 16 | 314 | A86 | C4-C5 | 7.31 | 1.66 | 1.43 |
| 14 | 15 | 321 | A86 | C19-C20 | 7.30 | 1.62 | 1.52 |
| 14 | 15 | 321 | A86 | C4-C5 | 7.30 | 1.66 | 1.43 |
| 14 | 14 | 316 | A86 | C4-C5 | 7.29 | 1.66 | 1.43 |
| 12 | 12 | 305 | KC1 | C2A-C3A | 7.29 | 1.52 | 1.37 |
| 14 | 10 | 315 | A86 | C8-C6 | 7.29 | 1.61 | 1.45 |
| 12 | 11 | 310 | KC1 | C2A-C3A | 7.28 | 1.52 | 1.37 |
| 14 | 11 | 314 | A86 | C4-C5 | 7.26 | 1.65 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 12 | 13 | 308 | KC1 | C2A-C3A | 7.26 | 1.52 | 1.37 |
| 14 | 13 | 315 | A86 | C19-C20 | 7.25 | 1.62 | 1.52 |
| 12 | 14 | 306 | KC1 | C2A-C3A | 7.25 | 1.52 | 1.37 |
| 13 | 7 | 313 | DD6 | C9-C10 | 7.25 | 1.65 | 1.43 |
| 14 | 11 | 315 | A86 | C4-C5 | 7.25 | 1.65 | 1.43 |
| 12 | 11 | 306 | KC1 | C2A-C3A | 7.24 | 1.51 | 1.37 |
| 14 | 11 | 301 | A86 | C4-C5 | 7.24 | 1.65 | 1.43 |
| 14 | 10 | 317 | A86 | C8-C6 | 7.22 | 1.61 | 1.45 |
| 14 | 7 | 314 | A86 | C4-C5 | 7.22 | 1.65 | 1.43 |
| 14 | 7 | 318 | A86 | C8-C6 | 7.22 | 1.61 | 1.45 |
| 14 | 14 | 321 | A86 | C19-C20 | 7.21 | 1.62 | 1.52 |
| 13 | 6 | 318 | DD6 | C2-C1 | 7.21 | 1.45 | 1.35 |
| 14 | 15 | 316 | A86 | C8-C6 | 7.19 | 1.61 | 1.45 |
| 14 | 12 | 316 | A86 | C8-C6 | 7.19 | 1.61 | 1.45 |
| 14 | 14 | 318 | A86 | C8-C6 | 7.19 | 1.61 | 1.45 |
| 14 | 7 | 318 | A86 | C4-C5 | 7.19 | 1.65 | 1.43 |
| 14 | 14 | 318 | A86 | C19-C20 | 7.18 | 1.62 | 1.52 |
| 14 | 10 | 316 | A86 | C4-C5 | 7.17 | 1.65 | 1.43 |
| 14 | 16 | 314 | A86 | C8-C6 | 7.17 | 1.61 | 1.45 |
| 12 | 12 | 311 | KC1 | C2A-C3A | 7.17 | 1.51 | 1.37 |
| 14 | 14 | 319 | A86 | C19-C20 | 7.15 | 1.62 | 1.52 |
| 14 | 6 | 317 | A86 | C8-C6 | 7.15 | 1.61 | 1.45 |
| 13 | 7 | 301 | DD6 | C24-C1 | 7.15 | 1.61 | 1.45 |
| 14 | 14 | 317 | A86 | C8-C6 | 7.14 | 1.61 | 1.45 |
| 12 | 8 | 312 | KC1 | C2A-C3A | 7.13 | 1.51 | 1.37 |
| 14 | 16 | 312 | A86 | C8-C6 | 7.13 | 1.61 | 1.45 |
| 14 | 13 | 313 | A86 | C19-C20 | 7.12 | 1.62 | 1.52 |
| 12 | 10 | 310 | KC1 | C2A-C3A | 7.10 | 1.51 | 1.37 |
| 13 | 6 | 318 | DD6 | C19-C20 | 7.10 | 1.62 | 1.52 |
| 12 | 8 | 311 | KC1 | C2A-C3A | 7.09 | 1.51 | 1.37 |
| 14 | 15 | 321 | A86 | C8-C6 | 7.09 | 1.61 | 1.45 |
| 14 | 13 | 313 | A86 | C25-C26 | 7.09 | 1.65 | 1.43 |
| 14 | 11 | 313 | A86 | C8-C6 | 7.08 | 1.61 | 1.45 |
| 14 | 10 | 317 | A86 | C19-C20 | 7.07 | 1.62 | 1.52 |
| 14 | 14 | 301 | A86 | C8-C6 | 7.06 | 1.61 | 1.45 |
| 12 | 6 | 308 | KC1 | C2A-C3A | 7.05 | 1.51 | 1.37 |
| 12 | 13 | 311 | KC1 | C2A-C3A | 7.05 | 1.51 | 1.37 |
| 12 | 6 | 309 | KC1 | C2A-C3A | 7.04 | 1.51 | 1.37 |
| 14 | 15 | 320 | A86 | C19-C20 | 7.04 | 1.62 | 1.52 |
| 12 | 8 | 310 | KC1 | C2A-C3A | 7.03 | 1.51 | 1.37 |
| 13 | 15 | 319 | DD6 | C24-C1 | 7.02 | 1.61 | 1.45 |
| 13 | 12 | 317 | DD6 | C24-C1 | 7.01 | 1.61 | 1.45 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 14 | 14 | 315 | A86 | C19-C20 | 7.00 | 1.62 | 1.52 |
| 14 | 11 | 313 | A86 | C19-C20 | 6.99 | 1.62 | 1.52 |
| 14 | 15 | 317 | A86 | C19-C20 | 6.99 | 1.62 | 1.52 |
| 12 | 6 | 305 | KC1 | C2A-C3A | 6.99 | 1.51 | 1.37 |
| 12 | 6 | 310 | KC1 | C2A-C3A | 6.99 | 1.51 | 1.37 |
| 13 | 7 | 316 | DD6 | C24-C1 | 6.99 | 1.61 | 1.45 |
| 12 | 13 | 305 | KC1 | C2A-C3A | 6.99 | 1.51 | 1.37 |
| 13 | 12 | 315 | DD6 | C21-C20 | -6.98 | 1.40 | 1.51 |
| 14 | 14 | 315 | A86 | C8-C6 | 6.98 | 1.60 | 1.45 |
| 14 | 15 | 322 | A86 | C19-C20 | 6.98 | 1.62 | 1.52 |
| 14 | 15 | 317 | A86 | C25-C26 | 6.97 | 1.65 | 1.43 |
| 14 | 14 | 314 | A86 | C19-C20 | 6.97 | 1.62 | 1.52 |
| 14 | 10 | 301 | A86 | C4-C5 | 6.97 | 1.65 | 1.43 |
| 14 | 15 | 320 | A86 | C25-C26 | 6.97 | 1.65 | 1.43 |
| 14 | 14 | 316 | A86 | C8-C6 | 6.96 | 1.60 | 1.45 |
| 14 | 11 | 314 | A86 | C8-C6 | 6.96 | 1.60 | 1.45 |
| 14 | 14 | 321 | A86 | C25-C26 | 6.96 | 1.65 | 1.43 |
| 13 | 6 | 316 | DD6 | C24-C1 | 6.96 | 1.60 | 1.45 |
| 14 | 10 | 316 | A86 | C8-C6 | 6.96 | 1.60 | 1.45 |
| 13 | 8 | 316 | DD6 | C19-C20 | 6.94 | 1.61 | 1.52 |
| 13 | 8 | 316 | DD6 | C21-C20 | -6.94 | 1.41 | 1.51 |
| 14 | 15 | 316 | A86 | C25-C26 | 6.94 | 1.64 | 1.43 |
| 13 | 8 | 317 | DD6 | C24-C1 | 6.94 | 1.60 | 1.45 |
| 13 | 15 | 318 | DD6 | C24-C1 | 6.93 | 1.60 | 1.45 |
| 14 | 10 | 302 | A86 | C25-C26 | 6.93 | 1.64 | 1.43 |
| 13 | 7 | 301 | DD6 | C21-C20 | -6.92 | 1.41 | 1.51 |
| 12 | 7 | 312 | KC1 | C2A-C3A | 6.91 | 1.51 | 1.37 |
| 12 | 10 | 312 | KC1 | C2A-C3A | 6.91 | 1.51 | 1.37 |
| 13 | 6 | 315 | DD6 | C24-C1 | 6.90 | 1.60 | 1.45 |
| 14 | 11 | 314 | A86 | C19-C20 | 6.90 | 1.61 | 1.52 |
| 13 | 15 | 318 | DD6 | C30-C29 | 6.90 | 1.40 | 1.20 |
| 12 | 13 | 305 | KC1 | CBA-CAA | 6.89 | 1.53 | 1.33 |
| 14 | 7 | 315 | A86 | C4-C5 | 6.89 | 1.64 | 1.43 |
| 14 | 11 | 315 | A86 | C8-C6 | 6.89 | 1.60 | 1.45 |
| 13 | 15 | 319 | DD6 | C30-C29 | 6.89 | 1.40 | 1.20 |
| 13 | 16 | 313 | DD6 | C24-C1 | 6.89 | 1.60 | 1.45 |
| 12 | 12 | 311 | KC1 | CBA-CAA | 6.89 | 1.53 | 1.33 |
| 12 | 11 | 304 | KC1 | C2A-C3A | 6.88 | 1.51 | 1.37 |
| 13 | 12 | 315 | DD6 | C24-C1 | 6.88 | 1.60 | 1.45 |
| 12 | 13 | 306 | KC1 | C2A-C3A | 6.87 | 1.51 | 1.37 |
| 13 | 12 | 315 | DD6 | C19-C20 | 6.86 | 1.61 | 1.52 |
| 13 | 6 | 318 | DD6 | C24-C1 | 6.86 | 1.60 | 1.45 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 14 | 6 | 317 | A86 | C25-C26 | 6.86 | 1.64 | 1.43 |
| 13 | 7 | 313 | DD6 | C24-C1 | 6.85 | 1.60 | 1.45 |
| 14 | 10 | 315 | A86 | C25-C26 | 6.85 | 1.64 | 1.43 |
| 14 | 16 | 312 | A86 | C19-C20 | 6.85 | 1.61 | 1.52 |
| 14 | 12 | 316 | A86 | C25-C26 | 6.85 | 1.64 | 1.43 |
| 14 | 15 | 316 | A86 | C19-C20 | 6.84 | 1.61 | 1.52 |
| 13 | 8 | 316 | DD6 | C24-C1 | 6.83 | 1.60 | 1.45 |
| 14 | 12 | 314 | A86 | C8-C6 | 6.83 | 1.60 | 1.45 |
| 14 | 13 | 315 | A86 | C25-C26 | 6.83 | 1.64 | 1.43 |
| 14 | 15 | 315 | A86 | C25-C26 | 6.83 | 1.64 | 1.43 |
| 14 | 15 | 321 | A86 | C25-C26 | 6.82 | 1.64 | 1.43 |
| 14 | 8 | 315 | A86 | C4-C5 | 6.82 | 1.64 | 1.43 |
| 14 | 14 | 317 | A86 | C25-C26 | 6.82 | 1.64 | 1.43 |
| 13 | 7 | 317 | DD6 | C24-C1 | 6.82 | 1.60 | 1.45 |
| 14 | 14 | 317 | A86 | C19-C20 | 6.81 | 1.61 | 1.52 |
| 14 | 10 | 317 | A86 | C25-C26 | 6.81 | 1.64 | 1.43 |
| 14 | 8 | 318 | A86 | C19-C20 | 6.80 | 1.61 | 1.52 |
| 14 | 15 | 315 | A86 | C19-C20 | 6.80 | 1.61 | 1.52 |
| 14 | 15 | 322 | A86 | C25-C26 | 6.79 | 1.64 | 1.43 |
| 14 | 11 | 301 | A86 | C19-C20 | 6.79 | 1.61 | 1.52 |
| 14 | 11 | 315 | A86 | C19-C20 | 6.78 | 1.61 | 1.52 |
| 14 | 10 | 315 | A86 | C19-C20 | 6.78 | 1.61 | 1.52 |
| 13 | 10 | 313 | DD6 | C24-C1 | 6.78 | 1.60 | 1.45 |
| 14 | 7 | 314 | A86 | C8-C6 | 6.77 | 1.60 | 1.45 |
| 13 | 7 | 301 | DD6 | C30-C29 | 6.77 | 1.40 | 1.20 |
| 13 | 7 | 317 | DD6 | C30-C29 | 6.77 | 1.40 | 1.20 |
| 14 | 8 | 318 | A86 | C8-C6 | 6.77 | 1.60 | 1.45 |
| 12 | 8 | 307 | KC1 | C2A-C3A | 6.76 | 1.51 | 1.37 |
| 12 | 10 | 306 | KC1 | C2A-C3A | 6.76 | 1.51 | 1.37 |
| 13 | 16 | 313 | DD6 | C30-C29 | 6.76 | 1.40 | 1.20 |
| 14 | 14 | 320 | A86 | C25-C26 | 6.75 | 1.64 | 1.43 |
| 14 | 14 | 301 | A86 | C19-C20 | 6.74 | 1.61 | 1.52 |
| 13 | 8 | 317 | DD6 | C30-C29 | 6.74 | 1.39 | 1.20 |
| 14 | 14 | 318 | A86 | C25-C26 | 6.74 | 1.64 | 1.43 |
| 13 | 13 | 314 | DD6 | C30-C29 | 6.73 | 1.39 | 1.20 |
| 14 | 11 | 315 | A86 | C25-C26 | 6.72 | 1.64 | 1.43 |
| 12 | 8 | 311 | KC1 | CBA-CAA | 6.72 | 1.53 | 1.33 |
| 13 | 13 | 314 | DD6 | C24-C1 | 6.71 | 1.60 | 1.45 |
| 14 | 14 | 301 | A86 | C25-C26 | 6.70 | 1.64 | 1.43 |
| 13 | 11 | 312 | DD6 | C24-C1 | 6.70 | 1.60 | 1.45 |
| 12 | 14 | 308 | KC1 | CBA-CAA | 6.69 | 1.53 | 1.33 |
| 12 | 8 | 313 | KC1 | C2A-C3A | 6.69 | 1.50 | 1.37 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 14 | 14 | 319 | A86 | C25-C26 | 6.68 | 1.64 | 1.43 |
| 12 | 11 | 310 | KC1 | CBA-CAA | 6.67 | 1.53 | 1.33 |
| 14 | 14 | 316 | A86 | C25-C26 | 6.67 | 1.64 | 1.43 |
| 14 | 7 | 318 | A86 | C25-C26 | 6.67 | 1.64 | 1.43 |
| 13 | 7 | 316 | DD6 | C30-C29 | 6.67 | 1.39 | 1.20 |
| 12 | 12 | 313 | KC1 | C2A-C3A | 6.67 | 1.50 | 1.37 |
| 12 | 13 | 306 | KC1 | CBA-CAA | 6.67 | 1.53 | 1.33 |
| 12 | 12 | 305 | KC1 | CBA-CAA | 6.66 | 1.53 | 1.33 |
| 13 | 10 | 314 | DD6 | C24-C1 | 6.66 | 1.60 | 1.45 |
| 14 | 12 | 316 | A86 | C19-C20 | 6.66 | 1.61 | 1.52 |
| 12 | 13 | 310 | KC1 | CBA-CAA | 6.65 | 1.53 | 1.33 |
| 13 | 6 | 316 | DD6 | C30-C29 | 6.65 | 1.39 | 1.20 |
| 12 | 6 | 305 | KC1 | CBA-CAA | 6.65 | 1.53 | 1.33 |
| 14 | 12 | 314 | A86 | C19-C20 | 6.65 | 1.61 | 1.52 |
| 14 | 14 | 314 | A86 | C25-C26 | 6.64 | 1.64 | 1.43 |
| 14 | 16 | 312 | A86 | C25-C26 | 6.64 | 1.64 | 1.43 |
| 12 | 11 | 311 | KC1 | CBA-CAA | 6.64 | 1.53 | 1.33 |
| 13 | 10 | 313 | DD6 | C30-C29 | 6.64 | 1.39 | 1.20 |
| 12 | 14 | 306 | KC1 | CBA-CAA | 6.61 | 1.53 | 1.33 |
| 12 | 8 | 312 | KC1 | CBA-CAA | 6.61 | 1.53 | 1.33 |
| 12 | 16 | 304 | KC1 | CBA-CAA | 6.61 | 1.53 | 1.33 |
| 14 | 7 | 314 | A86 | C25-C26 | 6.60 | 1.63 | 1.43 |
| 14 | 11 | 314 | A86 | C25-C26 | 6.60 | 1.63 | 1.43 |
| 12 | 6 | 308 | KC1 | CBA-CAA | 6.59 | 1.53 | 1.33 |
| 12 | 7 | 312 | KC1 | CBA-CAA | 6.59 | 1.53 | 1.33 |
| 14 | 11 | 313 | A86 | C25-C26 | 6.59 | 1.63 | 1.43 |
| 12 | 13 | 311 | KC1 | CBA-CAA | 6.59 | 1.53 | 1.33 |
| 13 | 8 | 316 | DD6 | C30-C29 | 6.59 | 1.39 | 1.20 |
| 14 | 10 | 301 | A86 | C8-C6 | 6.58 | 1.60 | 1.45 |
| 14 | 10 | 316 | A86 | C19-C20 | 6.58 | 1.61 | 1.52 |
| 12 | 11 | 306 | KC1 | CBA-CAA | 6.57 | 1.52 | 1.33 |
| 12 | 10 | 312 | KC1 | CBA-CAA | 6.57 | 1.52 | 1.33 |
| 14 | 16 | 314 | A86 | C25-C26 | 6.56 | 1.63 | 1.43 |
| 12 | 13 | 308 | KC1 | CBA-CAA | 6.55 | 1.52 | 1.33 |
| 13 | 7 | 313 | DD6 | C30-C29 | 6.55 | 1.39 | 1.20 |
| 14 | 10 | 316 | A86 | C25-C26 | 6.54 | 1.63 | 1.43 |
| 14 | 14 | 315 | A86 | C25-C26 | 6.54 | 1.63 | 1.43 |
| 14 | 12 | 314 | A86 | C25-C26 | 6.54 | 1.63 | 1.43 |
| 13 | 11 | 312 | DD6 | C30-C29 | 6.54 | 1.39 | 1.20 |
| 12 | 8 | 307 | KC1 | CBA-CAA | 6.54 | 1.52 | 1.33 |
| 14 | 10 | 301 | A86 | C25-C26 | 6.53 | 1.63 | 1.43 |
| 12 | 12 | 309 | KC1 | CBA-CAA | 6.52 | 1.52 | 1.33 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 13 | 12 | 317 | DD6 | C30-C29 | 6.52 | 1.39 | 1.20 |
| 12 | 14 | 311 | KC1 | CBA-CAA | 6.52 | 1.52 | 1.33 |
| 12 | 6 | 309 | KC1 | CBA-CAA | 6.52 | 1.52 | 1.33 |
| 13 | 7 | 316 | DD6 | C21-C20 | -6.51 | 1.41 | 1.51 |
| 12 | 10 | 306 | KC1 | CBA-CAA | 6.51 | 1.52 | 1.33 |
| 11 | 15 | 310 | CLA | C3B-C2B | 6.50 | 1.49 | 1.40 |
| 12 | 16 | 311 | KC1 | CBA-CAA | 6.49 | 1.52 | 1.33 |
| 13 | 6 | 318 | DD6 | C30-C29 | 6.49 | 1.39 | 1.20 |
| 13 | 10 | 314 | DD6 | C30-C29 | 6.49 | 1.39 | 1.20 |
| 11 | 12 | 303 | CLA | C3B-C2B | 6.49 | 1.49 | 1.40 |
| 13 | 6 | 315 | DD6 | C30-C29 | 6.48 | 1.39 | 1.20 |
| 13 | 7 | 317 | DD6 | C21-C20 | -6.48 | 1.41 | 1.51 |
| 13 | 12 | 315 | DD6 | C30-C29 | 6.48 | 1.39 | 1.20 |
| 14 | 14 | 316 | A86 | C19-C20 | 6.48 | 1.61 | 1.52 |
| 12 | 12 | 313 | KC1 | CBA-CAA | 6.48 | 1.52 | 1.33 |
| 14 | 8 | 318 | A86 | C25-C26 | 6.47 | 1.63 | 1.43 |
| 12 | 10 | 310 | KC1 | CBA-CAA | 6.47 | 1.52 | 1.33 |
| 14 | 7 | 315 | A86 | C8-C6 | 6.47 | 1.59 | 1.45 |
| 13 | 6 | 316 | DD6 | C21-C20 | -6.47 | 1.41 | 1.51 |
| 14 | 11 | 301 | A86 | C25-C26 | 6.46 | 1.63 | 1.43 |
| 12 | 13 | 312 | KC1 | CBA-CAA | 6.46 | 1.52 | 1.33 |
| 12 | 7 | 307 | KC1 | CBA-CAA | 6.45 | 1.52 | 1.33 |
| 14 | 10 | 302 | A86 | C19-C20 | 6.44 | 1.61 | 1.52 |
| 12 | 8 | 313 | KC1 | CBA-CAA | 6.43 | 1.52 | 1.33 |
| 13 | 7 | 313 | DD6 | C21-C20 | -6.41 | 1.41 | 1.51 |
| 12 | 8 | 310 | KC1 | CBA-CAA | 6.40 | 1.52 | 1.33 |
| 12 | 11 | 304 | KC1 | CBA-CAA | 6.40 | 1.52 | 1.33 |
| 13 | 10 | 314 | DD6 | C21-C20 | -6.36 | 1.41 | 1.51 |
| 11 | 8 | 302 | CLA | C3B-C2B | 6.34 | 1.49 | 1.40 |
| 13 | 15 | 318 | DD6 | C21-C20 | -6.34 | 1.41 | 1.51 |
| 14 | 8 | 315 | A86 | C8-C6 | 6.33 | 1.59 | 1.45 |
| 13 | 15 | 318 | DD6 | C30-C31 | 6.33 | 1.55 | 1.42 |
| 13 | 15 | 319 | DD6 | C21-C20 | -6.33 | 1.41 | 1.51 |
| 14 | 7 | 315 | A86 | C19-C20 | 6.33 | 1.61 | 1.52 |
| 13 | 16 | 313 | DD6 | C13-C14 | 6.31 | 1.46 | 1.32 |
| 11 | 8 | 305 | CLA | C3B-C2B | 6.29 | 1.49 | 1.40 |
| 12 | 8 | 306 | KC1 | CBA-CAA | 6.29 | 1.52 | 1.33 |
| 14 | 14 | 320 | A86 | C19-C20 | 6.28 | 1.61 | 1.52 |
| 13 | 7 | 313 | DD6 | C13-C14 | 6.27 | 1.46 | 1.32 |
| 12 | 6 | 310 | KC1 | CBA-CAA | 6.27 | 1.52 | 1.33 |
| 12 | 8 | 314 | KC1 | CBA-CAA | 6.27 | 1.52 | 1.33 |
| 11 | 8 | 301 | CLA | C3B-C2B | 6.27 | 1.49 | 1.40 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 13 | 6 | 315 | DD6 | C21-C20 | -6.26 | 1.42 | 1.51 |
| 14 | 7 | 318 | A86 | C19-C20 | 6.26 | 1.61 | 1.52 |
| 11 | 7 | 304 | CLA | OBD-CAD | 6.26 | 1.33 | 1.22 |
| 14 | 8 | 315 | A86 | C25-C26 | 6.25 | 1.62 | 1.43 |
| 13 | 8 | 317 | DD6 | C21-C20 | -6.24 | 1.42 | 1.51 |
| 14 | 7 | 315 | A86 | C25-C26 | 6.23 | 1.62 | 1.43 |
| 12 | 12 | 313 | KC1 | C4A-C3A | 6.22 | 1.56 | 1.44 |
| 14 | 8 | 315 | A86 | C19-C20 | 6.21 | 1.60 | 1.52 |
| 13 | 11 | 312 | DD6 | C21-C20 | -6.20 | 1.42 | 1.51 |
| 13 | 15 | 319 | DD6 | C30-C31 | 6.18 | 1.55 | 1.42 |
| 13 | 8 | 316 | DD6 | C13-C14 | 6.16 | 1.46 | 1.32 |
| 11 | 7 | 304 | CLA | C3B-C2B | 6.11 | 1.48 | 1.40 |
| 13 | 6 | 318 | DD6 | C21-C20 | -6.10 | 1.42 | 1.51 |
| 13 | 7 | 301 | DD6 | C30-C31 | 6.10 | 1.55 | 1.42 |
| 13 | 16 | 313 | DD6 | C30-C31 | 6.09 | 1.55 | 1.42 |
| 13 | 10 | 313 | DD6 | C21-C20 | -6.05 | 1.42 | 1.51 |
| 13 | 8 | 317 | DD6 | C30-C31 | 6.04 | 1.55 | 1.42 |
| 14 | 7 | 314 | A86 | C19-C20 | 6.04 | 1.60 | 1.52 |
| 11 | 6 | 302 | CLA | C3B-C2B | 6.04 | 1.48 | 1.40 |
| 13 | 13 | 314 | DD6 | C13-C14 | 6.03 | 1.45 | 1.32 |
| 11 | 15 | 309 | CLA | C3B-C2B | 6.03 | 1.48 | 1.40 |
| 13 | 10 | 313 | DD6 | C13-C14 | 5.98 | 1.45 | 1.32 |
| 12 | 13 | 305 | KC1 | O2A-CGA | 5.98 | 1.45 | 1.30 |
| 11 | 15 | 306 | CLA | C3B-C2B | 5.97 | 1.48 | 1.40 |
| 12 | 8 | 310 | KC1 | O2A-CGA | 5.97 | 1.45 | 1.30 |
| 13 | 13 | 314 | DD6 | C30-C31 | 5.97 | 1.55 | 1.42 |
| 13 | 10 | 313 | DD6 | C30-C31 | 5.95 | 1.54 | 1.42 |
| 12 | 6 | 305 | KC1 | O2A-CGA | 5.95 | 1.45 | 1.30 |
| 12 | 8 | 313 | KC1 | O2A-CGA | 5.94 | 1.45 | 1.30 |
| 11 | 13 | 307 | CLA | C3B-C2B | 5.94 | 1.48 | 1.40 |
| 12 | 16 | 311 | KC1 | O2A-CGA | 5.93 | 1.45 | 1.30 |
| 11 | 12 | 304 | CLA | C3B-C2B | 5.93 | 1.48 | 1.40 |
| 12 | 12 | 311 | KC1 | O2A-CGA | 5.93 | 1.45 | 1.30 |
| 12 | 10 | 306 | KC1 | O2A-CGA | 5.93 | 1.45 | 1.30 |
| 12 | 14 | 311 | KC1 | O2A-CGA | 5.92 | 1.45 | 1.30 |
| 12 | 6 | 308 | KC1 | O2A-CGA | 5.91 | 1.45 | 1.30 |
| 12 | 8 | 311 | KC1 | O2A-CGA | 5.91 | 1.45 | 1.30 |
| 13 | 12 | 317 | DD6 | C21-C20 | -5.91 | 1.42 | 1.51 |
| 14 | 10 | 301 | A86 | C19-C20 | 5.90 | 1.60 | 1.52 |
| 12 | 13 | 312 | KC1 | O2A-CGA | 5.90 | 1.45 | 1.30 |
| 12 | 10 | 312 | KC1 | O2A-CGA | 5.90 | 1.45 | 1.30 |
| 13 | 7 | 317 | DD6 | C30-C31 | 5.90 | 1.54 | 1.42 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 14 | 307 | CLA | C3B-C2B | 5.90 | 1.48 | 1.40 |
| 12 | 12 | 305 | KC1 | O2A-CGA | 5.90 | 1.45 | 1.30 |
| 11 | 11 | 309 | CLA | C3B-C2B | 5.89 | 1.48 | 1.40 |
| 12 | 10 | 310 | KC1 | O2A-CGA | 5.89 | 1.45 | 1.30 |
| 12 | 13 | 308 | KC1 | O2A-CGA | 5.89 | 1.45 | 1.30 |
| 12 | 11 | 310 | KC1 | O2A-CGA | 5.88 | 1.45 | 1.30 |
| 12 | 16 | 304 | KC1 | O2A-CGA | 5.87 | 1.45 | 1.30 |
| 12 | 11 | 306 | KC1 | O2A-CGA | 5.87 | 1.45 | 1.30 |
| 11 | 10 | 303 | CLA | C3B-C2B | 5.87 | 1.48 | 1.40 |
| 12 | 11 | 304 | KC1 | O2A-CGA | 5.86 | 1.45 | 1.30 |
| 11 | 10 | 304 | CLA | C3B-C2B | 5.86 | 1.48 | 1.40 |
| 12 | 14 | 308 | KC1 | O2A-CGA | 5.86 | 1.45 | 1.30 |
| 13 | 6 | 316 | DD6 | C30-C31 | 5.86 | 1.54 | 1.42 |
| 12 | 13 | 306 | KC1 | O2A-CGA | 5.85 | 1.45 | 1.30 |
| 12 | 13 | 310 | KC1 | O2A-CGA | 5.85 | 1.45 | 1.30 |
| 12 | 6 | 310 | KC1 | O2A-CGA | 5.84 | 1.45 | 1.30 |
| 12 | 14 | 306 | KC1 | O2A-CGA | 5.84 | 1.45 | 1.30 |
| 13 | 15 | 318 | DD6 | C13-C14 | 5.84 | 1.45 | 1.32 |
| 12 | 8 | 306 | KC1 | O2A-CGA | 5.84 | 1.45 | 1.30 |
| 13 | 6 | 318 | DD6 | C30-C31 | 5.83 | 1.54 | 1.42 |
| 11 | 14 | 313 | CLA | C3B-C2B | 5.83 | 1.48 | 1.40 |
| 13 | 13 | 314 | DD6 | C21-C20 | -5.82 | 1.42 | 1.51 |
| 13 | 7 | 316 | DD6 | C30-C31 | 5.82 | 1.54 | 1.42 |
| 11 | 15 | 311 | CLA | C3B-C2B | 5.82 | 1.48 | 1.40 |
| 12 | 13 | 311 | KC1 | O2A-CGA | 5.82 | 1.45 | 1.30 |
| 11 | 13 | 304 | CLA | C3B-C2B | 5.81 | 1.48 | 1.40 |
| 11 | 6 | 314 | CLA | C3B-C2B | 5.81 | 1.48 | 1.40 |
| 12 | 8 | 307 | KC1 | O2A-CGA | 5.80 | 1.45 | 1.30 |
| 13 | 12 | 317 | DD6 | C13-C14 | 5.79 | 1.45 | 1.32 |
| 12 | 7 | 307 | KC1 | O2A-CGA | 5.79 | 1.45 | 1.30 |
| 11 | 6 | 312 | CLA | C3B-C2B | 5.79 | 1.48 | 1.40 |
| 11 | 16 | 307 | CLA | C3B-C2B | 5.79 | 1.48 | 1.40 |
| 12 | 7 | 312 | KC1 | O2A-CGA | 5.78 | 1.45 | 1.30 |
| 11 | 14 | 309 | CLA | C3B-C2B | 5.78 | 1.48 | 1.40 |
| 11 | 16 | 309 | CLA | C3B-C2B | 5.78 | 1.48 | 1.40 |
| 11 | 12 | 308 | CLA | C3B-C2B | 5.77 | 1.48 | 1.40 |
| 13 | 8 | 316 | DD6 | C30-C31 | 5.76 | 1.54 | 1.42 |
| 12 | 12 | 309 | KC1 | O2A-CGA | 5.74 | 1.45 | 1.30 |
| 13 | 15 | 319 | DD6 | C13-C14 | 5.74 | 1.45 | 1.32 |
| 13 | 12 | 315 | DD6 | C30-C31 | 5.74 | 1.54 | 1.42 |
| 11 | 7 | 305 | CLA | C3B-C2B | 5.73 | 1.48 | 1.40 |
| 11 | 12 | 302 | CLA | C3B-C2B | 5.73 | 1.48 | 1.40 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 11 | 7 | 311 | CLA | C3B-C2B | 5.73 | 1.48 | 1.40 |
| 12 | 12 | 313 | KC1 | O2A-CGA | 5.73 | 1.45 | 1.30 |
| 12 | 6 | 309 | KC1 | O2A-CGA | 5.72 | 1.45 | 1.30 |
| 11 | 10 | 311 | CLA | C3B-C2B | 5.72 | 1.48 | 1.40 |
| 12 | 8 | 312 | KC1 | O2A-CGA | 5.72 | 1.45 | 1.30 |
| 11 | 14 | 304 | CLA | C3B-C2B | 5.72 | 1.48 | 1.40 |
| 11 | 16 | 310 | CLA | C3B-C2B | 5.72 | 1.48 | 1.40 |
| 11 | 11 | 308 | CLA | C3B-C2B | 5.70 | 1.48 | 1.40 |
| 11 | 13 | 309 | CLA | C3B-C2B | 5.70 | 1.48 | 1.40 |
| 11 | 6 | 307 | CLA | C3B-C2B | 5.70 | 1.48 | 1.40 |
| 14 | 6 | 317 | A86 | C19-C20 | 5.70 | 1.60 | 1.52 |
| 11 | 15 | 307 | CLA | C3B-C2B | 5.69 | 1.48 | 1.40 |
| 12 | 11 | 311 | KC1 | O2A-CGA | 5.69 | 1.45 | 1.30 |
| 11 | 13 | 302 | CLA | C3B-C2B | 5.68 | 1.48 | 1.40 |
| 11 | 16 | 306 | CLA | C3B-C2B | 5.68 | 1.48 | 1.40 |
| 11 | 16 | 308 | CLA | C3B-C2B | 5.68 | 1.48 | 1.40 |
| 11 | 14 | 310 | CLA | C3B-C2B | 5.67 | 1.48 | 1.40 |
| 11 | 12 | 312 | CLA | C3B-C2B | 5.67 | 1.48 | 1.40 |
| 11 | 6 | 306 | CLA | C3B-C2B | 5.66 | 1.48 | 1.40 |
| 11 | 13 | 303 | CLA | C3B-C2B | 5.66 | 1.48 | 1.40 |
| 12 | 10 | 312 | KC1 | C3B-C2B | 5.66 | 1.48 | 1.37 |
| 12 | 11 | 310 | KC1 | C3B-C2B | 5.64 | 1.48 | 1.37 |
| 11 | 14 | 312 | CLA | C3B-C2B | 5.64 | 1.48 | 1.40 |
| 13 | 7 | 301 | DD6 | C13-C14 | 5.63 | 1.44 | 1.32 |
| 11 | 11 | 303 | CLA | C3B-C2B | 5.63 | 1.48 | 1.40 |
| 13 | 7 | 316 | DD6 | C13-C14 | 5.63 | 1.44 | 1.32 |
| 13 | 7 | 317 | DD6 | C13-C14 | 5.62 | 1.44 | 1.32 |
| 13 | 11 | 312 | DD6 | C30-C31 | 5.62 | 1.54 | 1.42 |
| 11 | 6 | 303 | CLA | C3B-C2B | 5.62 | 1.48 | 1.40 |
| 13 | 6 | 315 | DD6 | C30-C31 | 5.62 | 1.54 | 1.42 |
| 13 | 12 | 317 | DD6 | C30-C31 | 5.61 | 1.54 | 1.42 |
| 12 | 8 | 314 | KC1 | O2A-CGA | 5.61 | 1.45 | 1.30 |
| 11 | 6 | 304 | CLA | C3B-C2B | 5.60 | 1.48 | 1.40 |
| 13 | 6 | 316 | DD6 | C13-C14 | 5.60 | 1.44 | 1.32 |
| 13 | 10 | 314 | DD6 | C30-C31 | 5.60 | 1.54 | 1.42 |
| 11 | 12 | 321 | CLA | C3B-C2B | 5.60 | 1.48 | 1.40 |
| 12 | 14 | 308 | KC1 | C3C-C2C | 5.60 | 1.48 | 1.36 |
| 11 | 16 | 305 | CLA | C3B-C2B | 5.59 | 1.48 | 1.40 |
| 11 | 10 | 309 | CLA | C3B-C2B | 5.58 | 1.48 | 1.40 |
| 12 | 13 | 312 | KC1 | C3B-C2B | 5.58 | 1.48 | 1.37 |
| 11 | 14 | 303 | CLA | C3B-C2B | 5.57 | 1.48 | 1.40 |
| 12 | 10 | 310 | KC1 | C3D-C2D | 5.56 | 1.49 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 14 | 13 | 313 | A86 | C26-C27 | 5.56 | 1.43 | 1.35 |
| 11 | 15 | 313 | CLA | C3B-C2B | 5.56 | 1.48 | 1.40 |
| 11 | 12 | 307 | CLA | C3B-C2B | 5.56 | 1.48 | 1.40 |
| 11 | 15 | 304 | CLA | C3B-C2B | 5.56 | 1.48 | 1.40 |
| 11 | 15 | 305 | CLA | C3B-C2B | 5.55 | 1.48 | 1.40 |
| 14 | 15 | 315 | A86 | C2-C1 | 5.55 | 1.43 | 1.35 |
| 12 | 13 | 311 | KC1 | C3D-C2D | 5.54 | 1.49 | 1.39 |
| 11 | 16 | 302 | CLA | C3B-C2B | 5.54 | 1.48 | 1.40 |
| 11 | 6 | 313 | CLA | C3B-C2B | 5.52 | 1.48 | 1.40 |
| 12 | 14 | 306 | KC1 | C3D-C2D | 5.52 | 1.49 | 1.39 |
| 11 | 7 | 302 | CLA | C3B-C2B | 5.52 | 1.48 | 1.40 |
| 13 | 10 | 314 | DD6 | C13-C14 | 5.51 | 1.44 | 1.32 |
| 11 | 15 | 304 | CLA | C3C-C2C | 5.50 | 1.48 | 1.36 |
| 12 | 13 | 305 | KC1 | C3D-C2D | 5.49 | 1.49 | 1.39 |
| 12 | 13 | 312 | KC1 | C3D-C2D | 5.49 | 1.49 | 1.39 |
| 12 | 13 | 308 | KC1 | C3B-C2B | 5.48 | 1.48 | 1.37 |
| 11 | 15 | 314 | CLA | C3B-C2B | 5.47 | 1.48 | 1.40 |
| 11 | 12 | 310 | CLA | C3B-C2B | 5.47 | 1.48 | 1.40 |
| 12 | 13 | 310 | KC1 | C3D-C2D | 5.46 | 1.49 | 1.39 |
| 11 | 14 | 302 | CLA | C3B-C2B | 5.46 | 1.47 | 1.40 |
| 11 | 8 | 309 | CLA | C3B-C2B | 5.46 | 1.47 | 1.40 |
| 11 | 15 | 303 | CLA | C3B-C2B | 5.46 | 1.47 | 1.40 |
| 13 | 7 | 313 | DD6 | C30-C31 | 5.45 | 1.53 | 1.42 |
| 12 | 16 | 304 | KC1 | C3C-C2C | 5.45 | 1.48 | 1.36 |
| 12 | 16 | 311 | KC1 | C3C-C2C | 5.45 | 1.48 | 1.36 |
| 12 | 10 | 312 | KC1 | C3D-C2D | 5.45 | 1.49 | 1.39 |
| 12 | 13 | 308 | KC1 | C3D-C2D | 5.45 | 1.49 | 1.39 |
| 12 | 11 | 310 | KC1 | C3D-C2D | 5.45 | 1.49 | 1.39 |
| 12 | 14 | 308 | KC1 | C3D-C2D | 5.44 | 1.49 | 1.39 |
| 12 | 12 | 305 | KC1 | C3B-C2B | 5.43 | 1.48 | 1.37 |
| 11 | 7 | 309 | CLA | C3B-C2B | 5.43 | 1.47 | 1.40 |
| 12 | 11 | 304 | KC1 | C3B-C2B | 5.42 | 1.48 | 1.37 |
| 12 | 11 | 306 | KC1 | C3B-C2B | 5.42 | 1.48 | 1.37 |
| 11 | 14 | 305 | CLA | C3B-C2B | 5.41 | 1.47 | 1.40 |
| 11 | 12 | 306 | CLA | C3B-C2B | 5.41 | 1.47 | 1.40 |
| 11 | 16 | 303 | CLA | C3B-C2B | 5.41 | 1.47 | 1.40 |
| 12 | 6 | 305 | KC1 | C3B-C2B | 5.41 | 1.48 | 1.37 |
| 13 | 6 | 315 | DD6 | C13-C14 | 5.40 | 1.44 | 1.32 |
| 11 | 10 | 307 | CLA | C3B-C2B | 5.40 | 1.47 | 1.40 |
| 12 | 6 | 305 | KC1 | C3D-C2D | 5.39 | 1.49 | 1.39 |
| 12 | 12 | 309 | KC1 | C3B-C2B | 5.39 | 1.48 | 1.37 |
| 11 | 7 | 306 | CLA | C3B-C2B | 5.38 | 1.47 | 1.40 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 12 | 11 | 306 | KC1 | C3D-C2D | 5.38 | 1.49 | 1.39 |
| 11 | 11 | 307 | CLA | C3C-C2C | 5.38 | 1.48 | 1.36 |
| 12 | 13 | 306 | KC1 | C3B-C2B | 5.38 | 1.48 | 1.37 |
| 12 | 14 | 308 | KC1 | C3B-C2B | 5.38 | 1.48 | 1.37 |
| 12 | 8 | 312 | KC1 | C3B-C2B | 5.37 | 1.48 | 1.37 |
| 11 | 8 | 303 | CLA | C3B-C2B | 5.37 | 1.47 | 1.40 |
| 12 | 12 | 311 | KC1 | C3D-C2D | 5.37 | 1.49 | 1.39 |
| 12 | 16 | 304 | KC1 | C3B-C2B | 5.37 | 1.48 | 1.37 |
| 12 | 6 | 308 | KC1 | C3D-C2D | 5.37 | 1.49 | 1.39 |
| 14 | 10 | 302 | A86 | C9-C8 | 5.37 | 1.48 | 1.34 |
| 12 | 12 | 311 | KC1 | C3B-C2B | 5.37 | 1.48 | 1.37 |
| 11 | 11 | 305 | CLA | C3B-C2B | 5.36 | 1.47 | 1.40 |
| 12 | 13 | 305 | KC1 | C3B-C2B | 5.36 | 1.48 | 1.37 |
| 11 | 15 | 309 | CLA | C3C-C2C | 5.36 | 1.48 | 1.36 |
| 12 | 13 | 310 | KC1 | C3B-C2B | 5.35 | 1.48 | 1.37 |
| 12 | 6 | 309 | KC1 | C3D-C2D | 5.35 | 1.49 | 1.39 |
| 11 | 13 | 304 | CLA | C3C-C2C | 5.34 | 1.48 | 1.36 |
| 12 | 6 | 310 | KC1 | C3B-C2B | 5.34 | 1.48 | 1.37 |
| 12 | 7 | 307 | KC1 | C3D-C2D | 5.34 | 1.49 | 1.39 |
| 12 | 8 | 310 | KC1 | C3D-C2D | 5.34 | 1.49 | 1.39 |
| 12 | 6 | 310 | KC1 | C3D-C2D | 5.33 | 1.49 | 1.39 |
| 11 | 15 | 309 | CLA | C1D-ND | 5.33 | 1.44 | 1.37 |
| 11 | 15 | 302 | CLA | C3B-C2B | 5.32 | 1.47 | 1.40 |
| 11 | 7 | 309 | CLA | C3C-C2C | 5.32 | 1.48 | 1.36 |
| 11 | 15 | 311 | CLA | C3C-C2C | 5.32 | 1.48 | 1.36 |
| 12 | 12 | 305 | KC1 | C3D-C2D | 5.32 | 1.49 | 1.39 |
| 12 | 6 | 309 | KC1 | C3B-C2B | 5.32 | 1.48 | 1.37 |
| 11 | 6 | 304 | CLA | C3C-C2C | 5.31 | 1.48 | 1.36 |
| 11 | 16 | 309 | CLA | C3C-C2C | 5.31 | 1.48 | 1.36 |
| 13 | 11 | 312 | DD6 | C13-C14 | 5.31 | 1.44 | 1.32 |
| 14 | 15 | 315 | A86 | C26-C27 | 5.31 | 1.42 | 1.35 |
| 11 | 13 | 303 | CLA | C3C-C2C | 5.31 | 1.48 | 1.36 |
| 11 | 15 | 308 | CLA | C3C-C2C | 5.30 | 1.48 | 1.36 |
| 14 | 15 | 315 | A86 | C9-C8 | 5.30 | 1.48 | 1.34 |
| 13 | 6 | 318 | DD6 | C13-C14 | 5.30 | 1.44 | 1.32 |
| 12 | 10 | 310 | KC1 | C3C-C2C | 5.30 | 1.48 | 1.36 |
| 11 | 16 | 301 | CLA | C3B-C2B | 5.30 | 1.47 | 1.40 |
| 11 | 15 | 310 | CLA | C3C-C2C | 5.30 | 1.48 | 1.36 |
| 12 | 13 | 308 | KC1 | C3C-C2C | 5.30 | 1.48 | 1.36 |
| 11 | 15 | 312 | CLA | C3B-C2B | 5.30 | 1.47 | 1.40 |
| 11 | 16 | 303 | CLA | C3C-C2C | 5.30 | 1.48 | 1.36 |
| 12 | 7 | 307 | KC1 | C3C-C2C | 5.30 | 1.48 | 1.36 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 12 | 16 | 311 | KC1 | C3B-C2B | 5.29 | 1.48 | 1.37 |
| 11 | 15 | 306 | CLA | C3C-C2C | 5.29 | 1.48 | 1.36 |
| 12 | 8 | 311 | KC1 | C3C-C2C | 5.29 | 1.48 | 1.36 |
| 11 | 16 | 308 | CLA | C3C-C2C | 5.29 | 1.48 | 1.36 |
| 11 | 14 | 312 | CLA | C3C-C2C | 5.29 | 1.48 | 1.36 |
| 12 | 8 | 314 | KC1 | C3D-C2D | 5.28 | 1.48 | 1.39 |
| 11 | 13 | 304 | CLA | C1D-ND | 5.28 | 1.44 | 1.37 |
| 11 | 13 | 309 | CLA | O2D-CGD | 5.28 | 1.46 | 1.33 |
| 12 | 8 | 314 | KC1 | C3B-C2B | 5.28 | 1.48 | 1.37 |
| 12 | 16 | 304 | KC1 | C3D-C2D | 5.28 | 1.48 | 1.39 |
| 11 | 6 | 303 | CLA | C3C-C2C | 5.27 | 1.47 | 1.36 |
| 11 | 8 | 302 | CLA | C3C-C2C | 5.27 | 1.47 | 1.36 |
| 11 | 15 | 312 | CLA | C1D-ND | 5.27 | 1.44 | 1.37 |
| 11 | 6 | 314 | CLA | C1D-ND | 5.27 | 1.44 | 1.37 |
| 11 | 14 | 309 | CLA | C3C-C2C | 5.27 | 1.47 | 1.36 |
| 11 | 14 | 307 | CLA | C3C-C2C | 5.27 | 1.47 | 1.36 |
| 12 | 13 | 306 | KC1 | C3D-C2D | 5.26 | 1.48 | 1.39 |
| 11 | 14 | 310 | CLA | C3C-C2C | 5.26 | 1.47 | 1.36 |
| 11 | 14 | 313 | CLA | C3C-C2C | 5.26 | 1.47 | 1.36 |
| 11 | 7 | 303 | CLA | C3B-C2B | 5.26 | 1.47 | 1.40 |
| 11 | 11 | 309 | CLA | C3C-C2C | 5.25 | 1.47 | 1.36 |
| 11 | 15 | 311 | CLA | C1D-ND | 5.25 | 1.44 | 1.37 |
| 12 | 16 | 311 | KC1 | C3D-C2D | 5.25 | 1.48 | 1.39 |
| 12 | 13 | 312 | KC1 | O2D-CGD | 5.25 | 1.46 | 1.33 |
| 11 | 10 | 309 | CLA | C3C-C2C | 5.24 | 1.47 | 1.36 |
| 12 | 16 | 304 | KC1 | CHD-C4C | 5.24 | 1.48 | 1.35 |
| 11 | 6 | 312 | CLA | C3C-C2C | 5.24 | 1.47 | 1.36 |
| 11 | 15 | 312 | CLA | C3C-C2C | 5.24 | 1.47 | 1.36 |
| 11 | 6 | 312 | CLA | C1D-ND | 5.24 | 1.44 | 1.37 |
| 11 | 16 | 310 | CLA | O2D-CGD | 5.24 | 1.46 | 1.33 |
| 11 | 7 | 311 | CLA | C3C-C2C | 5.24 | 1.47 | 1.36 |
| 11 | 16 | 307 | CLA | C3C-C2C | 5.24 | 1.47 | 1.36 |
| 11 | 15 | 313 | CLA | C3C-C2C | 5.24 | 1.47 | 1.36 |
| 11 | 15 | 302 | CLA | CHC-C1C | 5.24 | 1.48 | 1.35 |
| 12 | 11 | 304 | KC1 | C3D-C2D | 5.24 | 1.48 | 1.39 |
| 11 | 8 | 304 | CLA | C3B-C2B | 5.24 | 1.47 | 1.40 |
| 12 | 6 | 308 | KC1 | C3B-C2B | 5.24 | 1.47 | 1.37 |
| 12 | 8 | 313 | KC1 | C3D-C2D | 5.24 | 1.48 | 1.39 |
| 11 | 13 | 309 | CLA | C3C-C2C | 5.23 | 1.47 | 1.36 |
| 12 | 11 | 306 | KC1 | C3C-C2C | 5.23 | 1.47 | 1.36 |
| 12 | 13 | 312 | KC1 | CHD-C4C | 5.23 | 1.48 | 1.35 |
| 12 | 7 | 312 | KC1 | C3D-C2D | 5.23 | 1.48 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 11 | 7 | 310 | CLA | C3B-C2B | 5.23 | 1.47 | 1.40 |
| 12 | 13 | 305 | KC1 | C3C-C2C | 5.23 | 1.47 | 1.36 |
| 11 | 15 | 303 | CLA | C3C-C2C | 5.23 | 1.47 | 1.36 |
| 12 | 8 | 313 | KC1 | C3B-C2B | 5.23 | 1.47 | 1.37 |
| 12 | 13 | 306 | KC1 | O2D-CGD | 5.22 | 1.45 | 1.33 |
| 11 | 8 | 308 | CLA | C3B-C2B | 5.22 | 1.47 | 1.40 |
| 12 | 13 | 312 | KC1 | C3C-C2C | 5.22 | 1.47 | 1.36 |
| 11 | 6 | 314 | CLA | C3C-C2C | 5.21 | 1.47 | 1.36 |
| 11 | 6 | 307 | CLA | C3C-C2C | 5.21 | 1.47 | 1.36 |
| 12 | 10 | 310 | KC1 | C3B-C2B | 5.21 | 1.47 | 1.37 |
| 11 | 15 | 302 | CLA | C3C-C2C | 5.21 | 1.47 | 1.36 |
| 12 | 8 | 307 | KC1 | C3D-C2D | 5.20 | 1.48 | 1.39 |
| 11 | 15 | 305 | CLA | C3C-C2C | 5.20 | 1.47 | 1.36 |
| 11 | 12 | 310 | CLA | C3C-C2C | 5.20 | 1.47 | 1.36 |
| 12 | 8 | 314 | KC1 | C3C-C2C | 5.20 | 1.47 | 1.36 |
| 11 | 12 | 307 | CLA | CHC-C1C | 5.20 | 1.48 | 1.35 |
| 11 | 10 | 308 | CLA | C3B-C2B | 5.20 | 1.47 | 1.40 |
| 12 | 12 | 309 | KC1 | C3D-C2D | 5.20 | 1.48 | 1.39 |
| 11 | 12 | 304 | CLA | C3C-C2C | 5.20 | 1.47 | 1.36 |
| 13 | 12 | 315 | DD6 | C13-C14 | 5.19 | 1.43 | 1.32 |
| 11 | 12 | 308 | CLA | C3C-C2C | 5.19 | 1.47 | 1.36 |
| 12 | 8 | 312 | KC1 | C3C-C2C | 5.19 | 1.47 | 1.36 |
| 11 | 10 | 305 | CLA | C3C-C2C | 5.19 | 1.47 | 1.36 |
| 11 | 15 | 311 | CLA | O2D-CGD | 5.19 | 1.45 | 1.33 |
| 11 | 11 | 305 | CLA | C3C-C2C | 5.19 | 1.47 | 1.36 |
| 11 | 7 | 302 | CLA | CHC-C1C | 5.18 | 1.48 | 1.35 |
| 11 | 14 | 309 | CLA | C1D-ND | 5.18 | 1.44 | 1.37 |
| 11 | 14 | 305 | CLA | C3C-C2C | 5.18 | 1.47 | 1.36 |
| 11 | 11 | 309 | CLA | C1D-ND | 5.18 | 1.44 | 1.37 |
| 11 | 11 | 307 | CLA | C3B-C2B | 5.18 | 1.47 | 1.40 |
| 14 | 15 | 320 | A86 | C26-C27 | 5.18 | 1.42 | 1.35 |
| 12 | 7 | 307 | KC1 | C3B-C2B | 5.18 | 1.47 | 1.37 |
| 11 | 11 | 305 | CLA | CHC-C1C | 5.18 | 1.48 | 1.35 |
| 11 | 15 | 307 | CLA | C3C-C2C | 5.17 | 1.47 | 1.36 |
| 12 | 13 | 311 | KC1 | C3C-C2C | 5.17 | 1.47 | 1.36 |
| 12 | 11 | 310 | KC1 | C3C-C2C | 5.17 | 1.47 | 1.36 |
| 12 | 13 | 311 | KC1 | CHD-C4C | 5.17 | 1.48 | 1.35 |
| 11 | 14 | 304 | CLA | C3C-C2C | 5.17 | 1.47 | 1.36 |
| 11 | 15 | 309 | CLA | CHC-C1C | 5.17 | 1.48 | 1.35 |
| 11 | 12 | 303 | CLA | C3C-C2C | 5.17 | 1.47 | 1.36 |
| 11 | 10 | 309 | CLA | O2D-CGD | 5.17 | 1.45 | 1.33 |
| 12 | 11 | 311 | KC1 | C3B-C2B | 5.17 | 1.47 | 1.37 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 12 | 14 | 306 | KC1 | CHD-C4C | 5.17 | 1.48 | 1.35 |
| 11 | 14 | 304 | CLA | O2D-CGD | 5.16 | 1.45 | 1.33 |
| 11 | 6 | 314 | CLA | O2D-CGD | 5.16 | 1.45 | 1.33 |
| 11 | 11 | 303 | CLA | CHC-C1C | 5.16 | 1.48 | 1.35 |
| 11 | 10 | 308 | CLA | CHC-C1C | 5.16 | 1.48 | 1.35 |
| 11 | 10 | 311 | CLA | C3C-C2C | 5.16 | 1.47 | 1.36 |
| 12 | 6 | 308 | KC1 | C3C-C2C | 5.16 | 1.47 | 1.36 |
| 11 | 16 | 309 | CLA | C1D-ND | 5.16 | 1.44 | 1.37 |
| 11 | 13 | 309 | CLA | C1D-ND | 5.16 | 1.44 | 1.37 |
| 11 | 13 | 304 | CLA | O2D-CGD | 5.16 | 1.45 | 1.33 |
| 11 | 7 | 311 | CLA | C1D-ND | 5.16 | 1.44 | 1.37 |
| 12 | 13 | 310 | KC1 | C3C-C2C | 5.15 | 1.47 | 1.36 |
| 12 | 11 | 311 | KC1 | CHD-C4C | 5.15 | 1.48 | 1.35 |
| 11 | 13 | 302 | CLA | C3C-C2C | 5.15 | 1.47 | 1.36 |
| 12 | 13 | 308 | KC1 | CHD-C4C | 5.15 | 1.48 | 1.35 |
| 11 | 10 | 305 | CLA | C3B-C2B | 5.15 | 1.47 | 1.40 |
| 11 | 15 | 310 | CLA | O2D-CGD | 5.15 | 1.45 | 1.33 |
| 11 | 6 | 313 | CLA | C3C-C2C | 5.14 | 1.47 | 1.36 |
| 12 | 8 | 307 | KC1 | C3C-C2C | 5.14 | 1.47 | 1.36 |
| 11 | 15 | 310 | CLA | C1D-ND | 5.14 | 1.44 | 1.37 |
| 11 | 14 | 303 | CLA | C3C-C2C | 5.14 | 1.47 | 1.36 |
| 11 | 15 | 308 | CLA | CHC-C1C | 5.14 | 1.48 | 1.35 |
| 12 | 13 | 311 | KC1 | O2D-CGD | 5.14 | 1.45 | 1.33 |
| 11 | 8 | 309 | CLA | C3C-C2C | 5.14 | 1.47 | 1.36 |
| 12 | 12 | 309 | KC1 | C3C-C2C | 5.13 | 1.47 | 1.36 |
| 11 | 13 | 303 | CLA | C1D-ND | 5.13 | 1.44 | 1.37 |
| 11 | 15 | 304 | CLA | C1D-ND | 5.13 | 1.44 | 1.37 |
| 12 | 12 | 313 | KC1 | C3B-C2B | 5.13 | 1.47 | 1.37 |
| 11 | 14 | 309 | CLA | O2D-CGD | 5.13 | 1.45 | 1.33 |
| 12 | 11 | 304 | KC1 | C3C-C2C | 5.13 | 1.47 | 1.36 |
| 11 | 7 | 306 | CLA | CHC-C1C | 5.13 | 1.48 | 1.35 |
| 11 | 12 | 321 | CLA | C3C-C2C | 5.13 | 1.47 | 1.36 |
| 11 | 14 | 302 | CLA | CHC-C1C | 5.13 | 1.48 | 1.35 |
| 12 | 13 | 311 | KC1 | C3B-C2B | 5.13 | 1.47 | 1.37 |
| 12 | 8 | 312 | KC1 | C3D-C2D | 5.12 | 1.48 | 1.39 |
| 12 | 13 | 308 | KC1 | O2D-CGD | 5.12 | 1.45 | 1.33 |
| 11 | 12 | 312 | CLA | C3C-C2C | 5.12 | 1.47 | 1.36 |
| 11 | 16 | 306 | CLA | C3C-C2C | 5.12 | 1.47 | 1.36 |
| 11 | 10 | 307 | CLA | C3C-C2C | 5.12 | 1.47 | 1.36 |
| 12 | 6 | 310 | KC1 | C3C-C2C | 5.12 | 1.47 | 1.36 |
| 11 | 15 | 304 | CLA | O2D-CGD | 5.12 | 1.45 | 1.33 |
| 12 | 14 | 306 | KC1 | C3B-C2B | 5.12 | 1.47 | 1.37 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 12 | 10 | 306 | KC1 | C3B-C2B | 5.11 | 1.47 | 1.37 |
| 14 | 11 | 301 | A86 | C9-C8 | 5.11 | 1.47 | 1.34 |
| 11 | 7 | 311 | CLA | O2D-CGD | 5.11 | 1.45 | 1.33 |
| 11 | 14 | 302 | CLA | O2D-CGD | 5.11 | 1.45 | 1.33 |
| 11 | 8 | 308 | CLA | C3C-C2C | 5.11 | 1.47 | 1.36 |
| 12 | 16 | 311 | KC1 | CHD-C4C | 5.11 | 1.48 | 1.35 |
| 11 | 16 | 306 | CLA | O2D-CGD | 5.11 | 1.45 | 1.33 |
| 11 | 15 | 306 | CLA | C1D-ND | 5.11 | 1.44 | 1.37 |
| 11 | 14 | 307 | CLA | O2D-CGD | 5.11 | 1.45 | 1.33 |
| 11 | 10 | 304 | CLA | C3C-C2C | 5.11 | 1.47 | 1.36 |
| 11 | 6 | 311 | CLA | O2D-CGD | 5.11 | 1.45 | 1.33 |
| 11 | 16 | 302 | CLA | O2D-CGD | 5.11 | 1.45 | 1.33 |
| 11 | 16 | 310 | CLA | C3C-C2C | 5.11 | 1.47 | 1.36 |
| 12 | 14 | 311 | KC1 | O2D-CGD | 5.10 | 1.45 | 1.33 |
| 11 | 13 | 307 | CLA | C3C-C2C | 5.10 | 1.47 | 1.36 |
| 12 | 8 | 313 | KC1 | C1A-NA | -5.10 | 1.28 | 1.38 |
| 11 | 16 | 308 | CLA | C1D-ND | 5.10 | 1.44 | 1.37 |
| 12 | 8 | 306 | KC1 | C3D-C2D | 5.10 | 1.48 | 1.39 |
| 11 | 7 | 303 | CLA | C3C-C2C | 5.10 | 1.47 | 1.36 |
| 13 | 7 | 301 | DD6 | C3-C2 | 5.10 | 1.59 | 1.43 |
| 11 | 15 | 314 | CLA | C3C-C2C | 5.10 | 1.47 | 1.36 |
| 11 | 16 | 307 | CLA | O2D-CGD | 5.09 | 1.45 | 1.33 |
| 12 | 14 | 311 | KC1 | C3B-C2B | 5.09 | 1.47 | 1.37 |
| 12 | 11 | 306 | KC1 | CHD-C4C | 5.09 | 1.48 | 1.35 |
| 11 | 6 | 304 | CLA | CHC-C1C | 5.09 | 1.48 | 1.35 |
| 12 | 13 | 305 | KC1 | CHD-C4C | 5.09 | 1.48 | 1.35 |
| 11 | 13 | 307 | CLA | O2D-CGD | 5.09 | 1.45 | 1.33 |
| 11 | 15 | 305 | CLA | O2D-CGD | 5.09 | 1.45 | 1.33 |
| 12 | 12 | 305 | KC1 | C3C-C2C | 5.09 | 1.47 | 1.36 |
| 11 | 15 | 312 | CLA | O2D-CGD | 5.09 | 1.45 | 1.33 |
| 11 | 16 | 303 | CLA | CHC-C1C | 5.09 | 1.48 | 1.35 |
| 12 | 6 | 309 | KC1 | C3C-C2C | 5.08 | 1.47 | 1.36 |
| 12 | 11 | 306 | KC1 | O2D-CGD | 5.08 | 1.45 | 1.33 |
| 11 | 16 | 308 | CLA | O2D-CGD | 5.08 | 1.45 | 1.33 |
| 12 | 8 | 311 | KC1 | C3B-C2B | 5.08 | 1.47 | 1.37 |
| 11 | 13 | 302 | CLA | O2D-CGD | 5.08 | 1.45 | 1.33 |
| 13 | 6 | 316 | DD6 | C3-C2 | 5.08 | 1.59 | 1.43 |
| 12 | 14 | 311 | KC1 | C3C-C2C | 5.08 | 1.47 | 1.36 |
| 11 | 15 | 313 | CLA | O2D-CGD | 5.08 | 1.45 | 1.33 |
| 11 | 14 | 312 | CLA | CHC-C1C | 5.08 | 1.48 | 1.35 |
| 11 | 15 | 302 | CLA | C1D-ND | 5.08 | 1.44 | 1.37 |
| 12 | 12 | 311 | KC1 | C3C-C2C | 5.08 | 1.47 | 1.36 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 11 | 303 | CLA | C3C-C2C | 5.08 | 1.47 | 1.36 |
| 12 | 7 | 312 | KC1 | C1A-NA | -5.08 | 1.28 | 1.38 |
| 11 | 15 | 303 | CLA | O2D-CGD | 5.08 | 1.45 | 1.33 |
| 11 | 6 | 303 | CLA | CHC-C1C | 5.08 | 1.48 | 1.35 |
| 11 | 15 | 313 | CLA | C1D-ND | 5.07 | 1.44 | 1.37 |
| 12 | 10 | 306 | KC1 | CHD-C4C | 5.07 | 1.48 | 1.35 |
| 11 | 6 | 302 | CLA | C3C-C2C | 5.07 | 1.47 | 1.36 |
| 12 | 10 | 312 | KC1 | CHD-C4C | 5.07 | 1.48 | 1.35 |
| 12 | 11 | 304 | KC1 | O2D-CGD | 5.07 | 1.45 | 1.33 |
| 13 | 15 | 319 | DD6 | C3-C2 | 5.07 | 1.59 | 1.43 |
| 11 | 7 | 305 | CLA | C3C-C2C | 5.07 | 1.47 | 1.36 |
| 13 | 15 | 318 | DD6 | C3-C2 | 5.07 | 1.59 | 1.43 |
| 11 | 13 | 303 | CLA | O2D-CGD | 5.07 | 1.45 | 1.33 |
| 11 | 10 | 311 | CLA | O2D-CGD | 5.06 | 1.45 | 1.33 |
| 12 | 10 | 310 | KC1 | O2D-CGD | 5.06 | 1.45 | 1.33 |
| 12 | 8 | 312 | KC1 | O2D-CGD | 5.06 | 1.45 | 1.33 |
| 12 | 6 | 305 | KC1 | C3C-C2C | 5.06 | 1.47 | 1.36 |
| 13 | 16 | 313 | DD6 | C3-C2 | 5.06 | 1.59 | 1.43 |
| 13 | 8 | 317 | DD6 | C13-C14 | 5.06 | 1.43 | 1.32 |
| 12 | 8 | 311 | KC1 | CHD-C4C | 5.06 | 1.47 | 1.35 |
| 12 | 11 | 304 | KC1 | CHD-C4C | 5.06 | 1.47 | 1.35 |
| 11 | 14 | 303 | CLA | C1D-ND | 5.06 | 1.44 | 1.37 |
| 11 | 12 | 321 | CLA | O2D-CGD | 5.06 | 1.45 | 1.33 |
| 11 | 6 | 312 | CLA | O2D-CGD | 5.06 | 1.45 | 1.33 |
| 12 | 11 | 311 | KC1 | C3D-C2D | 5.05 | 1.48 | 1.39 |
| 11 | 12 | 306 | CLA | C3C-C2C | 5.05 | 1.47 | 1.36 |
| 14 | 10 | 315 | A86 | C9-C8 | 5.05 | 1.47 | 1.34 |
| 11 | 14 | 312 | CLA | C1D-ND | 5.05 | 1.44 | 1.37 |
| 12 | 11 | 310 | KC1 | CHD-C4C | 5.05 | 1.47 | 1.35 |
| 12 | 10 | 312 | KC1 | C3C-C2C | 5.05 | 1.47 | 1.36 |
| 12 | 10 | 310 | KC1 | CHD-C4C | 5.05 | 1.47 | 1.35 |
| 12 | 8 | 313 | KC1 | C3C-C2C | 5.05 | 1.47 | 1.36 |
| 11 | 16 | 309 | CLA | O2D-CGD | 5.05 | 1.45 | 1.33 |
| 11 | 8 | 303 | CLA | C3C-C2C | 5.05 | 1.47 | 1.36 |
| 12 | 12 | 311 | KC1 | CHD-C4C | 5.05 | 1.47 | 1.35 |
| 13 | 6 | 315 | DD6 | C3-C2 | 5.05 | 1.59 | 1.43 |
| 11 | 7 | 304 | CLA | C3C-C2C | 5.05 | 1.47 | 1.36 |
| 12 | 7 | 312 | KC1 | C3B-C2B | 5.05 | 1.47 | 1.37 |
| 12 | 14 | 311 | KC1 | C3D-C2D | 5.05 | 1.48 | 1.39 |
| 13 | 13 | 314 | DD6 | C3-C2 | 5.05 | 1.59 | 1.43 |
| 11 | 10 | 311 | CLA | C1D-ND | 5.04 | 1.44 | 1.37 |
| 12 | 12 | 309 | KC1 | CHD-C4C | 5.04 | 1.47 | 1.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 12 | 7 | 312 | KC1 | CHD-C4C | 5.04 | 1.47 | 1.35 |
| 14 | 15 | 316 | A86 | C26-C27 | 5.04 | 1.42 | 1.35 |
| 11 | 15 | 309 | CLA | O2D-CGD | 5.04 | 1.45 | 1.33 |
| 11 | 12 | 303 | CLA | O2D-CGD | 5.04 | 1.45 | 1.33 |
| 11 | 7 | 306 | CLA | O2D-CGD | 5.04 | 1.45 | 1.33 |
| 12 | 8 | 314 | KC1 | CHD-C4C | 5.04 | 1.47 | 1.35 |
| 11 | 14 | 310 | CLA | C1D-ND | 5.04 | 1.44 | 1.37 |
| 13 | 12 | 317 | DD6 | C3-C2 | 5.04 | 1.59 | 1.43 |
| 12 | 7 | 307 | KC1 | CHD-C4C | 5.04 | 1.47 | 1.35 |
| 12 | 10 | 312 | KC1 | O2D-CGD | 5.04 | 1.45 | 1.33 |
| 11 | 16 | 305 | CLA | C3C-C2C | 5.04 | 1.47 | 1.36 |
| 11 | 7 | 303 | CLA | O2D-CGD | 5.03 | 1.45 | 1.33 |
| 12 | 8 | 310 | KC1 | C1A-NA | -5.03 | 1.28 | 1.38 |
| 12 | 6 | 310 | KC1 | C1A-NA | -5.03 | 1.28 | 1.38 |
| 11 | 14 | 303 | CLA | CHC-C1C | 5.03 | 1.47 | 1.35 |
| 11 | 10 | 304 | CLA | O2D-CGD | 5.03 | 1.45 | 1.33 |
| 12 | 13 | 310 | KC1 | O2D-CGD | 5.03 | 1.45 | 1.33 |
| 11 | 13 | 303 | CLA | CHC-C1C | 5.03 | 1.47 | 1.35 |
| 12 | 7 | 312 | KC1 | C3C-C2C | 5.02 | 1.47 | 1.36 |
| 11 | 14 | 313 | CLA | CHC-C1C | 5.02 | 1.47 | 1.35 |
| 13 | 10 | 314 | DD6 | C3-C2 | 5.02 | 1.59 | 1.43 |
| 11 | 14 | 302 | CLA | C3C-C2C | 5.02 | 1.47 | 1.36 |
| 11 | 14 | 307 | CLA | CHC-C1C | 5.02 | 1.47 | 1.35 |
| 12 | 11 | 310 | KC1 | O2D-CGD | 5.02 | 1.45 | 1.33 |
| 11 | 14 | 310 | CLA | CHC-C1C | 5.02 | 1.47 | 1.35 |
| 11 | 12 | 310 | CLA | O2D-CGD | 5.02 | 1.45 | 1.33 |
| 12 | 8 | 310 | KC1 | O2D-CGD | 5.02 | 1.45 | 1.33 |
| 12 | 11 | 311 | KC1 | C3C-C2C | 5.02 | 1.47 | 1.36 |
| 12 | 16 | 304 | KC1 | O2D-CGD | 5.02 | 1.45 | 1.33 |
| 11 | 11 | 307 | CLA | CHC-C1C | 5.02 | 1.47 | 1.35 |
| 14 | 15 | 322 | A86 | C26-C27 | 5.02 | 1.42 | 1.35 |
| 12 | 13 | 310 | KC1 | CHD-C4C | 5.02 | 1.47 | 1.35 |
| 11 | 15 | 304 | CLA | CHC-C1C | 5.01 | 1.47 | 1.35 |
| 12 | 8 | 307 | KC1 | CHD-C4C | 5.01 | 1.47 | 1.35 |
| 11 | 7 | 308 | CLA | C3B-C2B | 5.01 | 1.47 | 1.40 |
| 12 | 10 | 312 | KC1 | C1A-NA | -5.01 | 1.28 | 1.38 |
| 11 | 16 | 301 | CLA | CHC-C1C | 5.01 | 1.47 | 1.35 |
| 12 | 8 | 306 | KC1 | C3C-C2C | 5.01 | 1.47 | 1.36 |
| 14 | 15 | 320 | A86 | C9-C8 | 5.01 | 1.47 | 1.34 |
| 13 | 10 | 313 | DD6 | C3-C2 | 5.01 | 1.59 | 1.43 |
| 11 | 14 | 310 | CLA | O2D-CGD | 5.01 | 1.45 | 1.33 |
| 12 | 6 | 308 | KC1 | CHD-C4C | 5.01 | 1.47 | 1.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 12 | 307 | CLA | O2D-CGD | 5.01 | 1.45 | 1.33 |
| 11 | 14 | 302 | CLA | C1D-ND | 5.01 | 1.43 | 1.37 |
| 12 | 8 | 310 | KC1 | C3B-C2B | 5.01 | 1.47 | 1.37 |
| 12 | 10 | 310 | KC1 | C1A-NA | -5.01 | 1.28 | 1.38 |
| 12 | 14 | 308 | KC1 | CHD-C4C | 5.01 | 1.47 | 1.35 |
| 12 | 14 | 306 | KC1 | C3C-C2C | 5.00 | 1.47 | 1.36 |
| 11 | 6 | 304 | CLA | O2D-CGD | 5.00 | 1.45 | 1.33 |
| 12 | 8 | 312 | KC1 | CHD-C4C | 5.00 | 1.47 | 1.35 |
| 11 | 15 | 310 | CLA | CHC-C1C | 5.00 | 1.47 | 1.35 |
| 12 | 8 | 313 | KC1 | O2D-CGD | 5.00 | 1.45 | 1.33 |
| 12 | 6 | 308 | KC1 | C1A-NA | -5.00 | 1.28 | 1.38 |
| 11 | 15 | 312 | CLA | CHC-C1C | 5.00 | 1.47 | 1.35 |
| 12 | 8 | 306 | KC1 | C3B-C2B | 5.00 | 1.47 | 1.37 |
| 11 | 12 | 321 | CLA | C1D-ND | 5.00 | 1.43 | 1.37 |
| 12 | 10 | 306 | KC1 | C3C-C2C | 5.00 | 1.47 | 1.36 |
| 14 | 15 | 322 | A86 | C9-C8 | 4.99 | 1.47 | 1.34 |
| 12 | 8 | 307 | KC1 | C1A-NA | -4.99 | 1.28 | 1.38 |
| 11 | 16 | 307 | CLA | C1D-ND | 4.99 | 1.43 | 1.37 |
| 11 | 7 | 302 | CLA | C3C-C2C | 4.99 | 1.47 | 1.36 |
| 11 | 10 | 308 | CLA | O2D-CGD | 4.99 | 1.45 | 1.33 |
| 11 | 10 | 308 | CLA | C3C-C2C | 4.99 | 1.47 | 1.36 |
| 11 | 13 | 301 | CLA | C3B-C2B | 4.98 | 1.47 | 1.40 |
| 11 | 11 | 309 | CLA | O2D-CGD | 4.98 | 1.45 | 1.33 |
| 14 | 13 | 315 | A86 | C9-C8 | 4.98 | 1.47 | 1.34 |
| 11 | 6 | 302 | CLA | O2D-CGD | 4.98 | 1.45 | 1.33 |
| 11 | 14 | 312 | CLA | O2D-CGD | 4.98 | 1.45 | 1.33 |
| 11 | 7 | 308 | CLA | C3C-C2C | 4.98 | 1.47 | 1.36 |
| 11 | 6 | 307 | CLA | O2D-CGD | 4.98 | 1.45 | 1.33 |
| 11 | 8 | 301 | CLA | C3C-C2C | 4.98 | 1.47 | 1.36 |
| 11 | 16 | 302 | CLA | C3C-C2C | 4.98 | 1.47 | 1.36 |
| 12 | 14 | 311 | KC1 | CHD-C4C | 4.97 | 1.47 | 1.35 |
| 11 | 8 | 305 | CLA | C3C-C2C | 4.97 | 1.47 | 1.36 |
| 11 | 15 | 305 | CLA | C1D-ND | 4.97 | 1.43 | 1.37 |
| 11 | 15 | 305 | CLA | CHC-C1C | 4.97 | 1.47 | 1.35 |
| 11 | 11 | 308 | CLA | CHC-C1C | 4.97 | 1.47 | 1.35 |
| 11 | 8 | 308 | CLA | CHC-C1C | 4.97 | 1.47 | 1.35 |
| 11 | 14 | 304 | CLA | C1D-ND | 4.97 | 1.43 | 1.37 |
| 11 | 16 | 301 | CLA | C1D-ND | 4.97 | 1.43 | 1.37 |
| 11 | 6 | 313 | CLA | O2D-CGD | 4.97 | 1.45 | 1.33 |
| 11 | 6 | 314 | CLA | CHC-C1C | 4.97 | 1.47 | 1.35 |
| 12 | 6 | 310 | KC1 | CHD-C4C | 4.97 | 1.47 | 1.35 |
| 11 | 7 | 310 | CLA | C3C-C2C | 4.97 | 1.47 | 1.36 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 13 | 11 | 312 | DD6 | C3-C2 | 4.96 | 1.58 | 1.43 |
| 11 | 6 | 301 | CLA | C3C-C2C | 4.96 | 1.47 | 1.36 |
| 11 | 14 | 305 | CLA | O2D-CGD | 4.96 | 1.45 | 1.33 |
| 11 | 14 | 313 | CLA | C1D-ND | 4.96 | 1.43 | 1.37 |
| 12 | 11 | 304 | KC1 | C1A-NA | -4.96 | 1.28 | 1.38 |
| 12 | 8 | 311 | KC1 | O2D-CGD | 4.96 | 1.45 | 1.33 |
| 11 | 13 | 301 | CLA | CHC-C1C | 4.96 | 1.47 | 1.35 |
| 11 | 6 | 306 | CLA | O2D-CGD | 4.96 | 1.45 | 1.33 |
| 11 | 6 | 311 | CLA | C3B-C2B | 4.96 | 1.47 | 1.40 |
| 11 | 12 | 310 | CLA | CHC-C1C | 4.96 | 1.47 | 1.35 |
| 11 | 15 | 308 | CLA | C3B-C2B | 4.96 | 1.47 | 1.40 |
| 11 | 14 | 305 | CLA | CHC-C1C | 4.96 | 1.47 | 1.35 |
| 11 | 11 | 305 | CLA | O2D-CGD | 4.96 | 1.45 | 1.33 |
| 11 | 14 | 303 | CLA | O2D-CGD | 4.95 | 1.45 | 1.33 |
| 14 | 14 | 320 | A86 | C9-C8 | 4.95 | 1.47 | 1.34 |
| 11 | 15 | 313 | CLA | CHC-C1C | 4.95 | 1.47 | 1.35 |
| 12 | 12 | 311 | KC1 | O2D-CGD | 4.95 | 1.45 | 1.33 |
| 12 | 10 | 306 | KC1 | C3D-C2D | 4.95 | 1.48 | 1.39 |
| 11 | 16 | 301 | CLA | C3C-C2C | 4.94 | 1.47 | 1.36 |
| 11 | 14 | 304 | CLA | CHC-C1C | 4.94 | 1.47 | 1.35 |
| 11 | 13 | 304 | CLA | CHC-C1C | 4.94 | 1.47 | 1.35 |
| 11 | 10 | 307 | CLA | CHC-C1C | 4.94 | 1.47 | 1.35 |
| 12 | 12 | 313 | KC1 | O2D-CGD | 4.94 | 1.45 | 1.33 |
| 11 | 13 | 307 | CLA | C1D-ND | 4.94 | 1.43 | 1.37 |
| 11 | 12 | 308 | CLA | O2D-CGD | 4.94 | 1.45 | 1.33 |
| 14 | 15 | 317 | A86 | C26-C27 | 4.94 | 1.42 | 1.35 |
| 12 | 12 | 305 | KC1 | O2D-CGD | 4.94 | 1.45 | 1.33 |
| 12 | 14 | 308 | KC1 | O2D-CGD | 4.93 | 1.45 | 1.33 |
| 11 | 11 | 309 | CLA | CHC-C1C | 4.93 | 1.47 | 1.35 |
| 12 | 8 | 306 | KC1 | CHD-C4C | 4.93 | 1.47 | 1.35 |
| 11 | 16 | 301 | CLA | O2D-CGD | 4.93 | 1.45 | 1.33 |
| 12 | 16 | 311 | KC1 | O2D-CGD | 4.93 | 1.45 | 1.33 |
| 11 | 10 | 309 | CLA | CHC-C1C | 4.93 | 1.47 | 1.35 |
| 12 | 11 | 311 | KC1 | O2D-CGD | 4.93 | 1.45 | 1.33 |
| 11 | 8 | 302 | CLA | CHC-C1C | 4.93 | 1.47 | 1.35 |
| 11 | 6 | 303 | CLA | O2D-CGD | 4.93 | 1.45 | 1.33 |
| 11 | 15 | 314 | CLA | C1D-ND | 4.93 | 1.43 | 1.37 |
| 12 | 6 | 309 | KC1 | CHD-C4C | 4.93 | 1.47 | 1.35 |
| 13 | 7 | 316 | DD6 | C3-C2 | 4.92 | 1.58 | 1.43 |
| 12 | 8 | 311 | KC1 | C3D-C2D | 4.92 | 1.48 | 1.39 |
| 11 | 13 | 301 | CLA | C1D-ND | 4.92 | 1.43 | 1.37 |
| 11 | 16 | 308 | CLA | CHC-C1C | 4.92 | 1.47 | 1.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 16 | 306 | CLA | CHC-C1C | 4.92 | 1.47 | 1.35 |
| 11 | 16 | 303 | CLA | O2D-CGD | 4.91 | 1.45 | 1.33 |
| 11 | 10 | 309 | CLA | C1D-ND | 4.91 | 1.43 | 1.37 |
| 11 | 15 | 303 | CLA | CHC-C1C | 4.91 | 1.47 | 1.35 |
| 11 | 15 | 303 | CLA | C1D-ND | 4.91 | 1.43 | 1.37 |
| 11 | 8 | 305 | CLA | O2D-CGD | 4.91 | 1.45 | 1.33 |
| 11 | 6 | 306 | CLA | C3C-C2C | 4.91 | 1.47 | 1.36 |
| 11 | 12 | 302 | CLA | C3C-C2C | 4.91 | 1.47 | 1.36 |
| 12 | 13 | 306 | KC1 | CHD-C4C | 4.91 | 1.47 | 1.35 |
| 11 | 12 | 304 | CLA | CHC-C1C | 4.91 | 1.47 | 1.35 |
| 12 | 13 | 306 | KC1 | C3C-C2C | 4.90 | 1.47 | 1.36 |
| 14 | 6 | 317 | A86 | C26-C27 | 4.90 | 1.42 | 1.35 |
| 11 | 16 | 309 | CLA | CHC-C1C | 4.90 | 1.47 | 1.35 |
| 11 | 14 | 313 | CLA | O2D-CGD | 4.90 | 1.45 | 1.33 |
| 11 | 16 | 307 | CLA | CHC-C1C | 4.90 | 1.47 | 1.35 |
| 12 | 6 | 309 | KC1 | CHC-C4B | 4.90 | 1.47 | 1.38 |
| 11 | 6 | 312 | CLA | CHC-C1C | 4.90 | 1.47 | 1.35 |
| 12 | 6 | 309 | KC1 | O2D-CGD | 4.90 | 1.45 | 1.33 |
| 11 | 7 | 304 | CLA | CHC-C1C | 4.90 | 1.47 | 1.35 |
| 11 | 10 | 305 | CLA | CHC-C1C | 4.90 | 1.47 | 1.35 |
| 11 | 11 | 308 | CLA | O2D-CGD | 4.90 | 1.45 | 1.33 |
| 11 | 8 | 304 | CLA | C3C-C2C | 4.90 | 1.47 | 1.36 |
| 11 | 6 | 301 | CLA | CHC-C1C | 4.90 | 1.47 | 1.35 |
| 14 | 14 | 320 | A86 | C26-C27 | 4.90 | 1.42 | 1.35 |
| 14 | 14 | 321 | A86 | C9-C8 | 4.89 | 1.47 | 1.34 |
| 11 | 11 | 308 | CLA | C3C-C2C | 4.89 | 1.47 | 1.36 |
| 13 | 7 | 317 | DD6 | C3-C2 | 4.89 | 1.58 | 1.43 |
| 14 | 14 | 319 | A86 | C9-C8 | 4.89 | 1.47 | 1.34 |
| 11 | 13 | 301 | CLA | C3C-C2C | 4.89 | 1.47 | 1.36 |
| 11 | 11 | 307 | CLA | C1D-ND | 4.89 | 1.43 | 1.37 |
| 11 | 14 | 309 | CLA | CHC-C1C | 4.89 | 1.47 | 1.35 |
| 14 | 12 | 316 | A86 | C9-C8 | 4.89 | 1.47 | 1.34 |
| 13 | 7 | 313 | DD6 | C3-C2 | 4.88 | 1.58 | 1.43 |
| 12 | 13 | 306 | KC1 | C1A-NA | -4.88 | 1.28 | 1.38 |
| 11 | 15 | 306 | CLA | O2D-CGD | 4.88 | 1.45 | 1.33 |
| 11 | 6 | 306 | CLA | CHC-C1C | 4.88 | 1.47 | 1.35 |
| 11 | 15 | 302 | CLA | O2D-CGD | 4.88 | 1.45 | 1.33 |
| 12 | 6 | 310 | KC1 | O2D-CGD | 4.88 | 1.45 | 1.33 |
| 11 | 6 | 311 | CLA | C3C-C2C | 4.88 | 1.47 | 1.36 |
| 11 | 8 | 305 | CLA | CHC-C1C | 4.87 | 1.47 | 1.35 |
| 11 | 15 | 311 | CLA | CHC-C1C | 4.87 | 1.47 | 1.35 |
| 14 | 14 | 321 | A86 | C26-C27 | 4.87 | 1.42 | 1.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 13 | 6 | 318 | DD6 | C3-C2 | 4.87 | 1.58 | 1.43 |
| 11 | 7 | 309 | CLA | C1D-ND | 4.87 | 1.43 | 1.37 |
| 14 | 10 | 317 | A86 | C9-C8 | 4.87 | 1.47 | 1.34 |
| 12 | 14 | 306 | KC1 | O2D-CGD | 4.87 | 1.45 | 1.33 |
| 11 | 12 | 304 | CLA | O2D-CGD | 4.86 | 1.45 | 1.33 |
| 13 | 8 | 317 | DD6 | C3-C2 | 4.86 | 1.58 | 1.43 |
| 11 | 12 | 312 | CLA | O2D-CGD | 4.86 | 1.45 | 1.33 |
| 13 | 12 | 315 | DD6 | C3-C2 | 4.86 | 1.58 | 1.43 |
| 11 | 15 | 307 | CLA | O2D-CGD | 4.86 | 1.45 | 1.33 |
| 11 | 10 | 303 | CLA | C3C-C2C | 4.86 | 1.47 | 1.36 |
| 12 | 6 | 305 | KC1 | CHD-C4C | 4.86 | 1.47 | 1.35 |
| 11 | 10 | 311 | CLA | CHC-C1C | 4.86 | 1.47 | 1.35 |
| 14 | 13 | 313 | A86 | C9-C8 | 4.86 | 1.47 | 1.34 |
| 11 | 10 | 303 | CLA | O2D-CGD | 4.86 | 1.45 | 1.33 |
| 14 | 13 | 315 | A86 | C26-C27 | 4.86 | 1.42 | 1.35 |
| 11 | 6 | 304 | CLA | C1D-ND | 4.86 | 1.43 | 1.37 |
| 11 | 7 | 310 | CLA | O2D-CGD | 4.86 | 1.45 | 1.33 |
| 12 | 12 | 305 | KC1 | CHD-C4C | 4.85 | 1.47 | 1.35 |
| 11 | 11 | 303 | CLA | C1D-ND | 4.85 | 1.43 | 1.37 |
| 12 | 12 | 313 | KC1 | C3C-C2C | 4.85 | 1.47 | 1.36 |
| 11 | 13 | 301 | CLA | O2D-CGD | 4.85 | 1.45 | 1.33 |
| 11 | 11 | 303 | CLA | O2D-CGD | 4.85 | 1.45 | 1.33 |
| 14 | 16 | 312 | A86 | C9-C8 | 4.85 | 1.47 | 1.34 |
| 11 | 13 | 309 | CLA | CHC-C1C | 4.85 | 1.47 | 1.35 |
| 11 | 12 | 308 | CLA | CHC-C1C | 4.85 | 1.47 | 1.35 |
| 11 | 8 | 304 | CLA | CHC-C1C | 4.85 | 1.47 | 1.35 |
| 11 | 15 | 314 | CLA | CHC-C1C | 4.85 | 1.47 | 1.35 |
| 11 | 8 | 308 | CLA | O2D-CGD | 4.85 | 1.45 | 1.33 |
| 12 | 8 | 313 | KC1 | CHD-C4C | 4.85 | 1.47 | 1.35 |
| 12 | 6 | 308 | KC1 | O2D-CGD | 4.84 | 1.45 | 1.33 |
| 11 | 10 | 308 | CLA | C1D-ND | 4.84 | 1.43 | 1.37 |
| 11 | 16 | 302 | CLA | CHC-C1C | 4.84 | 1.47 | 1.35 |
| 14 | 14 | 314 | A86 | C9-C8 | 4.84 | 1.47 | 1.34 |
| 14 | 15 | 317 | A86 | C9-C8 | 4.83 | 1.47 | 1.34 |
| 11 | 15 | 307 | CLA | C1D-ND | 4.83 | 1.43 | 1.37 |
| 14 | 6 | 317 | A86 | C9-C8 | 4.83 | 1.47 | 1.34 |
| 11 | 10 | 305 | CLA | O2D-CGD | 4.83 | 1.45 | 1.33 |
| 11 | 13 | 302 | CLA | CHC-C1C | 4.83 | 1.47 | 1.35 |
| 11 | 10 | 304 | CLA | CHC-C1C | 4.83 | 1.47 | 1.35 |
| 11 | 12 | 306 | CLA | O2D-CGD | 4.83 | 1.45 | 1.33 |
| 12 | 8 | 306 | KC1 | O2D-CGD | 4.82 | 1.45 | 1.33 |
| 11 | 7 | 309 | CLA | CHC-C1C | 4.82 | 1.47 | 1.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 12 | 6 | 309 | KC1 | C1A-NA | -4.82 | 1.28 | 1.38 |
| 11 | 6 | 307 | CLA | C1D-ND | 4.82 | 1.43 | 1.37 |
| 11 | 8 | 309 | CLA | O2D-CGD | 4.82 | 1.45 | 1.33 |
| 12 | 11 | 306 | KC1 | C1A-NA | -4.82 | 1.28 | 1.38 |
| 11 | 16 | 310 | CLA | CHC-C1C | 4.82 | 1.47 | 1.35 |
| 11 | 8 | 303 | CLA | O2D-CGD | 4.81 | 1.44 | 1.33 |
| 14 | 12 | 316 | A86 | C26-C27 | 4.81 | 1.42 | 1.35 |
| 11 | 13 | 302 | CLA | C1D-ND | 4.81 | 1.43 | 1.37 |
| 11 | 14 | 305 | CLA | C1D-ND | 4.81 | 1.43 | 1.37 |
| 14 | 7 | 318 | A86 | C26-C27 | 4.81 | 1.42 | 1.35 |
| 12 | 7 | 307 | KC1 | C1A-NA | -4.81 | 1.28 | 1.38 |
| 12 | 7 | 312 | KC1 | O2D-CGD | 4.81 | 1.44 | 1.33 |
| 11 | 15 | 308 | CLA | O2D-CGD | 4.80 | 1.44 | 1.33 |
| 11 | 7 | 306 | CLA | C3C-C2C | 4.80 | 1.46 | 1.36 |
| 13 | 8 | 316 | DD6 | C3-C2 | 4.80 | 1.58 | 1.43 |
| 12 | 8 | 307 | KC1 | C3B-C2B | 4.80 | 1.47 | 1.37 |
| 14 | 7 | 314 | A86 | C17-C18 | -4.80 | 1.45 | 1.52 |
| 14 | 10 | 315 | A86 | C26-C27 | 4.80 | 1.42 | 1.35 |
| 12 | 11 | 310 | KC1 | C1A-NA | -4.80 | 1.28 | 1.38 |
| 12 | 14 | 306 | KC1 | C1A-NA | -4.80 | 1.28 | 1.38 |
| 11 | 6 | 302 | CLA | CHC-C1C | 4.80 | 1.47 | 1.35 |
| 14 | 10 | 301 | A86 | C17-C18 | -4.80 | 1.45 | 1.52 |
| 11 | 12 | 312 | CLA | CHC-C1C | 4.80 | 1.47 | 1.35 |
| 11 | 12 | 321 | CLA | CHC-C1C | 4.79 | 1.47 | 1.35 |
| 11 | 16 | 305 | CLA | O2D-CGD | 4.79 | 1.44 | 1.33 |
| 12 | 8 | 307 | KC1 | O2D-CGD | 4.79 | 1.44 | 1.33 |
| 11 | 15 | 306 | CLA | CHC-C1C | 4.79 | 1.47 | 1.35 |
| 14 | 14 | 301 | A86 | C9-C8 | 4.79 | 1.46 | 1.34 |
| 12 | 8 | 311 | KC1 | C1A-NA | -4.79 | 1.28 | 1.38 |
| 11 | 7 | 308 | CLA | O2D-CGD | 4.79 | 1.44 | 1.33 |
| 12 | 13 | 310 | KC1 | CHC-C4B | 4.79 | 1.47 | 1.38 |
| 12 | 12 | 305 | KC1 | C1A-NA | -4.79 | 1.28 | 1.38 |
| 12 | 13 | 312 | KC1 | OBD-CAD | 4.78 | 1.29 | 1.22 |
| 11 | 13 | 307 | CLA | CHC-C1C | 4.78 | 1.47 | 1.35 |
| 11 | 12 | 303 | CLA | CHC-C1C | 4.78 | 1.47 | 1.35 |
| 14 | 8 | 315 | A86 | C17-C18 | -4.78 | 1.45 | 1.52 |
| 12 | 14 | 306 | KC1 | CHC-C4B | 4.78 | 1.47 | 1.38 |
| 11 | 16 | 310 | CLA | C1D-ND | 4.78 | 1.43 | 1.37 |
| 14 | 13 | 313 | A86 | C2-C1 | 4.77 | 1.42 | 1.35 |
| 11 | 8 | 304 | CLA | O2D-CGD | 4.77 | 1.44 | 1.33 |
| 11 | 6 | 311 | CLA | C1D-ND | 4.77 | 1.43 | 1.37 |
| 14 | 15 | 321 | A86 | C9-C8 | 4.77 | 1.46 | 1.34 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 12 | 12 | 309 | KC1 | O2D-CGD | 4.77 | 1.44 | 1.33 |
| 12 | 6 | 305 | KC1 | CHC-C4B | 4.77 | 1.47 | 1.38 |
| 14 | 10 | 302 | A86 | C26-C27 | 4.76 | 1.42 | 1.35 |
| 12 | 8 | 310 | KC1 | CHD-C4C | 4.76 | 1.47 | 1.35 |
| 11 | 8 | 302 | CLA | O2D-CGD | 4.76 | 1.44 | 1.33 |
| 12 | 13 | 311 | KC1 | CHB-C1B | 4.76 | 1.47 | 1.38 |
| 11 | 7 | 311 | CLA | CHC-C1C | 4.76 | 1.47 | 1.35 |
| 11 | 7 | 304 | CLA | C1D-ND | 4.76 | 1.43 | 1.37 |
| 12 | 13 | 308 | KC1 | C1A-NA | -4.75 | 1.28 | 1.38 |
| 12 | 7 | 307 | KC1 | O2D-CGD | 4.75 | 1.44 | 1.33 |
| 14 | 7 | 318 | A86 | C9-C8 | 4.75 | 1.46 | 1.34 |
| 14 | 10 | 315 | A86 | O4-C38 | 4.75 | 1.45 | 1.35 |
| 11 | 6 | 307 | CLA | CHC-C1C | 4.75 | 1.47 | 1.35 |
| 11 | 16 | 305 | CLA | CHC-C1C | 4.75 | 1.47 | 1.35 |
| 11 | 6 | 311 | CLA | CHC-C1C | 4.75 | 1.47 | 1.35 |
| 12 | 6 | 305 | KC1 | O2D-CGD | 4.74 | 1.44 | 1.33 |
| 14 | 15 | 321 | A86 | C26-C27 | 4.74 | 1.42 | 1.35 |
| 12 | 8 | 306 | KC1 | C1A-NA | -4.74 | 1.28 | 1.38 |
| 11 | 7 | 305 | CLA | O2D-CGD | 4.74 | 1.44 | 1.33 |
| 14 | 15 | 316 | A86 | C9-C8 | 4.74 | 1.46 | 1.34 |
| 11 | 6 | 303 | CLA | C1D-ND | 4.74 | 1.43 | 1.37 |
| 11 | 10 | 305 | CLA | C1D-ND | 4.73 | 1.43 | 1.37 |
| 14 | 8 | 318 | A86 | C17-C18 | -4.73 | 1.45 | 1.52 |
| 12 | 12 | 313 | KC1 | CHD-C4C | 4.73 | 1.47 | 1.35 |
| 11 | 7 | 309 | CLA | O2D-CGD | 4.73 | 1.44 | 1.33 |
| 14 | 16 | 314 | A86 | C9-C8 | 4.73 | 1.46 | 1.34 |
| 12 | 8 | 312 | KC1 | C1A-NA | -4.73 | 1.28 | 1.38 |
| 14 | 11 | 314 | A86 | C9-C8 | 4.72 | 1.46 | 1.34 |
| 11 | 7 | 304 | CLA | O2D-CGD | 4.72 | 1.44 | 1.33 |
| 11 | 11 | 305 | CLA | C1D-ND | 4.72 | 1.43 | 1.37 |
| 12 | 13 | 306 | KC1 | CHC-C4B | 4.71 | 1.47 | 1.38 |
| 11 | 6 | 313 | CLA | CHC-C1C | 4.71 | 1.47 | 1.35 |
| 11 | 7 | 310 | CLA | C1D-ND | 4.71 | 1.43 | 1.37 |
| 12 | 10 | 306 | KC1 | C1A-NA | -4.70 | 1.28 | 1.38 |
| 12 | 16 | 304 | KC1 | C1A-NA | -4.70 | 1.28 | 1.38 |
| 12 | 8 | 312 | KC1 | CHB-C1B | 4.70 | 1.47 | 1.38 |
| 14 | 14 | 318 | A86 | C9-C8 | 4.70 | 1.46 | 1.34 |
| 14 | 16 | 312 | A86 | C17-C18 | -4.70 | 1.45 | 1.52 |
| 14 | 11 | 313 | A86 | C9-C8 | 4.70 | 1.46 | 1.34 |
| 11 | 12 | 302 | CLA | CHC-C1C | 4.70 | 1.47 | 1.35 |
| 11 | 7 | 306 | CLA | C1D-ND | 4.70 | 1.43 | 1.37 |
| 11 | 6 | 301 | CLA | C3B-C2B | 4.69 | 1.46 | 1.40 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 14 | 14 | 318 | A86 | C26-C27 | 4.69 | 1.42 | 1.35 |
| 11 | 7 | 310 | CLA | CHC-C1C | 4.69 | 1.47 | 1.35 |
| 14 | 10 | 316 | A86 | C9-C8 | 4.69 | 1.46 | 1.34 |
| 12 | 8 | 312 | KC1 | CHC-C4B | 4.69 | 1.47 | 1.38 |
| 11 | 12 | 312 | CLA | C1D-ND | 4.69 | 1.43 | 1.37 |
| 11 | 10 | 304 | CLA | C1D-ND | 4.68 | 1.43 | 1.37 |
| 11 | 7 | 305 | CLA | CHC-C1C | 4.68 | 1.47 | 1.35 |
| 12 | 13 | 312 | KC1 | CHC-C4B | 4.68 | 1.47 | 1.38 |
| 11 | 8 | 308 | CLA | C1D-ND | 4.68 | 1.43 | 1.37 |
| 11 | 6 | 301 | CLA | C1D-ND | 4.68 | 1.43 | 1.37 |
| 14 | 15 | 315 | A86 | C17-C18 | -4.68 | 1.45 | 1.52 |
| 14 | 14 | 316 | A86 | C9-C8 | 4.68 | 1.46 | 1.34 |
| 14 | 12 | 314 | A86 | C17-C18 | -4.67 | 1.45 | 1.52 |
| 14 | 15 | 320 | A86 | C2-C1 | 4.67 | 1.42 | 1.35 |
| 12 | 10 | 306 | KC1 | O2D-CGD | 4.67 | 1.44 | 1.33 |
| 11 | 16 | 305 | CLA | C1D-ND | 4.67 | 1.43 | 1.37 |
| 11 | 10 | 303 | CLA | CHC-C1C | 4.67 | 1.46 | 1.35 |
| 14 | 11 | 301 | A86 | C17-C18 | -4.67 | 1.45 | 1.52 |
| 11 | 7 | 303 | CLA | CHC-C1C | 4.66 | 1.46 | 1.35 |
| 11 | 8 | 301 | CLA | O2D-CGD | 4.66 | 1.44 | 1.33 |
| 12 | 12 | 311 | KC1 | C1A-NA | -4.66 | 1.28 | 1.38 |
| 14 | 14 | 315 | A86 | C9-C8 | 4.66 | 1.46 | 1.34 |
| 11 | 12 | 303 | CLA | C1D-ND | 4.66 | 1.43 | 1.37 |
| 12 | 13 | 305 | KC1 | CHC-C4B | 4.66 | 1.47 | 1.38 |
| 14 | 12 | 314 | A86 | C9-C8 | 4.65 | 1.46 | 1.34 |
| 11 | 8 | 309 | CLA | CHC-C1C | 4.65 | 1.46 | 1.35 |
| 12 | 8 | 313 | KC1 | CHC-C4B | 4.65 | 1.47 | 1.38 |
| 11 | 11 | 307 | CLA | O2D-CGD | 4.65 | 1.44 | 1.33 |
| 14 | 14 | 314 | A86 | C2-C1 | 4.65 | 1.41 | 1.35 |
| 12 | 6 | 305 | KC1 | C1A-NA | -4.65 | 1.28 | 1.38 |
| 14 | 14 | 317 | A86 | C9-C8 | 4.65 | 1.46 | 1.34 |
| 11 | 12 | 304 | CLA | C1D-ND | 4.65 | 1.43 | 1.37 |
| 11 | 8 | 301 | CLA | CHC-C1C | 4.65 | 1.46 | 1.35 |
| 12 | 13 | 305 | KC1 | O2D-CGD | 4.65 | 1.44 | 1.33 |
| 11 | 15 | 314 | CLA | O2D-CGD | 4.64 | 1.44 | 1.33 |
| 12 | 12 | 309 | KC1 | C1A-NA | -4.64 | 1.29 | 1.38 |
| 14 | 11 | 315 | A86 | C26-C27 | 4.64 | 1.41 | 1.35 |
| 11 | 14 | 307 | CLA | C1D-ND | 4.63 | 1.43 | 1.37 |
| 14 | 14 | 321 | A86 | C2-C1 | 4.63 | 1.41 | 1.35 |
| 12 | 14 | 308 | KC1 | OBD-CAD | 4.63 | 1.28 | 1.22 |
| 11 | 15 | 307 | CLA | CHC-C1C | 4.62 | 1.46 | 1.35 |
| 11 | 10 | 303 | CLA | C1D-ND | 4.62 | 1.43 | 1.37 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 7 | 302 | CLA | O2D-CGD | 4.62 | 1.44 | 1.33 |
| 11 | 16 | 303 | CLA | C1D-ND | 4.62 | 1.43 | 1.37 |
| 12 | 11 | 306 | KC1 | CHC-C4B | 4.62 | 1.47 | 1.38 |
| 11 | 12 | 306 | CLA | CHC-C1C | 4.62 | 1.46 | 1.35 |
| 14 | 14 | 301 | A86 | C26-C27 | 4.62 | 1.41 | 1.35 |
| 11 | 16 | 302 | CLA | C1D-ND | 4.62 | 1.43 | 1.37 |
| 12 | 13 | 310 | KC1 | C1A-NA | -4.62 | 1.29 | 1.38 |
| 12 | 11 | 304 | KC1 | CHC-C4B | 4.62 | 1.47 | 1.38 |
| 14 | 10 | 315 | A86 | C2-C1 | 4.61 | 1.41 | 1.35 |
| 12 | 16 | 311 | KC1 | C1A-NA | -4.60 | 1.29 | 1.38 |
| 11 | 8 | 305 | CLA | C1D-ND | 4.60 | 1.43 | 1.37 |
| 12 | 16 | 311 | KC1 | CHC-C4B | 4.59 | 1.47 | 1.38 |
| 14 | 13 | 315 | A86 | C2-C1 | 4.59 | 1.41 | 1.35 |
| 11 | 8 | 303 | CLA | CHC-C1C | 4.59 | 1.46 | 1.35 |
| 12 | 8 | 314 | KC1 | O2D-CGD | 4.59 | 1.44 | 1.33 |
| 11 | 7 | 308 | CLA | CHC-C1C | 4.59 | 1.46 | 1.35 |
| 11 | 8 | 309 | CLA | C1D-ND | 4.58 | 1.43 | 1.37 |
| 14 | 14 | 315 | A86 | C17-C18 | -4.58 | 1.45 | 1.52 |
| 11 | 6 | 301 | CLA | O2D-CGD | 4.58 | 1.44 | 1.33 |
| 11 | 6 | 306 | CLA | C1D-ND | 4.58 | 1.43 | 1.37 |
| 14 | 7 | 314 | A86 | C9-C8 | 4.58 | 1.46 | 1.34 |
| 12 | 13 | 305 | KC1 | C1A-NA | -4.57 | 1.29 | 1.38 |
| 14 | 14 | 317 | A86 | C26-C27 | 4.57 | 1.41 | 1.35 |
| 12 | 13 | 308 | KC1 | CHC-C4B | 4.57 | 1.47 | 1.38 |
| 12 | 6 | 310 | KC1 | CHC-C4B | 4.56 | 1.47 | 1.38 |
| 12 | 13 | 311 | KC1 | CHC-C4B | 4.56 | 1.47 | 1.38 |
| 14 | 14 | 319 | A86 | C26-C27 | 4.56 | 1.41 | 1.35 |
| 11 | 10 | 307 | CLA | O2D-CGD | 4.56 | 1.44 | 1.33 |
| 11 | 12 | 310 | CLA | C1D-ND | 4.56 | 1.43 | 1.37 |
| 12 | 13 | 311 | KC1 | C1A-NA | -4.55 | 1.29 | 1.38 |
| 12 | 10 | 312 | KC1 | CHC-C4B | 4.55 | 1.47 | 1.38 |
| 12 | 13 | 312 | KC1 | C1A-NA | -4.55 | 1.29 | 1.38 |
| 12 | 8 | 310 | KC1 | C3C-C2C | 4.54 | 1.46 | 1.36 |
| 12 | 14 | 311 | KC1 | CHC-C4B | 4.54 | 1.47 | 1.38 |
| 12 | 8 | 314 | KC1 | C1A-NA | -4.54 | 1.29 | 1.38 |
| 14 | 8 | 318 | A86 | C9-C8 | 4.53 | 1.46 | 1.34 |
| 14 | 15 | 317 | A86 | C17-C18 | -4.53 | 1.45 | 1.52 |
| 14 | 14 | 316 | A86 | C17-C18 | -4.53 | 1.45 | 1.52 |
| 11 | 14 | 309 | CLA | CHD-C1D | 4.53 | 1.47 | 1.38 |
| 11 | 15 | 308 | CLA | C1D-ND | 4.53 | 1.43 | 1.37 |
| 14 | 11 | 315 | A86 | C9-C8 | 4.53 | 1.46 | 1.34 |
| 12 | 14 | 308 | KC1 | C1A-NA | -4.53 | 1.29 | 1.38 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 12 | 11 | 310 | KC1 | CHC-C4B | 4.52 | 1.47 | 1.38 |
| 14 | 10 | 317 | A86 | C26-C27 | 4.52 | 1.41 | 1.35 |
| 11 | 15 | 308 | CLA | O2A-CGA | 4.52 | 1.45 | 1.30 |
| 11 | 15 | 306 | CLA | O2A-CGA | 4.52 | 1.45 | 1.30 |
| 11 | 14 | 309 | CLA | O2A-CGA | 4.52 | 1.45 | 1.30 |
| 12 | 11 | 304 | KC1 | CHB-C1B | 4.52 | 1.47 | 1.38 |
| 12 | 12 | 311 | KC1 | CHC-C4B | 4.51 | 1.47 | 1.38 |
| 11 | 14 | 304 | CLA | O2A-CGA | 4.51 | 1.45 | 1.30 |
| 12 | 13 | 312 | KC1 | CHB-C1B | 4.51 | 1.47 | 1.38 |
| 12 | 13 | 311 | KC1 | OBD-CAD | 4.51 | 1.28 | 1.22 |
| 12 | 14 | 308 | KC1 | CHC-C4B | 4.51 | 1.47 | 1.38 |
| 14 | 15 | 316 | A86 | C2-C1 | 4.50 | 1.41 | 1.35 |
| 12 | 8 | 314 | KC1 | CHC-C4B | 4.50 | 1.47 | 1.38 |
| 14 | 15 | 322 | A86 | C2-C1 | 4.50 | 1.41 | 1.35 |
| 12 | 12 | 313 | KC1 | CHC-C4B | 4.50 | 1.47 | 1.38 |
| 14 | 10 | 316 | A86 | C17-C18 | -4.49 | 1.45 | 1.52 |
| 14 | 15 | 315 | A86 | C5-C6 | 4.49 | 1.41 | 1.35 |
| 11 | 6 | 302 | CLA | C1D-ND | 4.49 | 1.43 | 1.37 |
| 12 | 10 | 306 | KC1 | CHC-C4B | 4.49 | 1.47 | 1.38 |
| 11 | 16 | 310 | CLA | O2A-CGA | 4.49 | 1.45 | 1.30 |
| 11 | 12 | 302 | CLA | O2D-CGD | 4.49 | 1.44 | 1.33 |
| 12 | 7 | 312 | KC1 | OBD-CAD | 4.49 | 1.28 | 1.22 |
| 12 | 10 | 312 | KC1 | OBD-CAD | 4.49 | 1.28 | 1.22 |
| 12 | 7 | 307 | KC1 | CHC-C4B | 4.49 | 1.47 | 1.38 |
| 12 | 6 | 310 | KC1 | CHB-C1B | 4.49 | 1.47 | 1.38 |
| 11 | 6 | 312 | CLA | O2A-CGA | 4.49 | 1.45 | 1.30 |
| 11 | 12 | 308 | CLA | C1D-ND | 4.49 | 1.43 | 1.37 |
| 12 | 14 | 306 | KC1 | OBD-CAD | 4.49 | 1.28 | 1.22 |
| 11 | 7 | 308 | CLA | C1D-ND | 4.48 | 1.43 | 1.37 |
| 12 | 16 | 311 | KC1 | OBD-CAD | 4.48 | 1.28 | 1.22 |
| 14 | 14 | 314 | A86 | C26-C27 | 4.48 | 1.41 | 1.35 |
| 11 | 16 | 309 | CLA | O2A-CGA | 4.48 | 1.45 | 1.30 |
| 12 | 13 | 306 | KC1 | CHB-C1B | 4.48 | 1.47 | 1.38 |
| 11 | 14 | 312 | CLA | O2A-CGA | 4.48 | 1.45 | 1.30 |
| 11 | 10 | 311 | CLA | O2A-CGA | 4.48 | 1.45 | 1.30 |
| 14 | 14 | 320 | A86 | O4-C38 | 4.48 | 1.45 | 1.35 |
| 11 | 15 | 305 | CLA | O2A-CGA | 4.48 | 1.45 | 1.30 |
| 11 | 13 | 304 | CLA | O2A-CGA | 4.47 | 1.45 | 1.30 |
| 12 | 12 | 305 | KC1 | CHC-C4B | 4.47 | 1.47 | 1.38 |
| 11 | 13 | 309 | CLA | O2A-CGA | 4.47 | 1.45 | 1.30 |
| 14 | 14 | 316 | A86 | C26-C27 | 4.47 | 1.41 | 1.35 |
| 11 | 8 | 302 | CLA | C1D-ND | 4.47 | 1.43 | 1.37 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 15 | 314 | CLA | O2A-CGA | 4.46 | 1.45 | 1.30 |
| 12 | 12 | 313 | KC1 | C3D-C2D | 4.46 | 1.47 | 1.39 |
| 14 | 15 | 315 | A86 | C10-C11 | 4.46 | 1.47 | 1.34 |
| 11 | 12 | 307 | CLA | C3C-C2C | 4.46 | 1.46 | 1.36 |
| 12 | 16 | 304 | KC1 | CHC-C4B | 4.46 | 1.47 | 1.38 |
| 11 | 15 | 310 | CLA | O2A-CGA | 4.46 | 1.45 | 1.30 |
| 11 | 15 | 311 | CLA | O2A-CGA | 4.46 | 1.45 | 1.30 |
| 11 | 15 | 312 | CLA | O2A-CGA | 4.46 | 1.45 | 1.30 |
| 14 | 14 | 319 | A86 | C2-C1 | 4.46 | 1.41 | 1.35 |
| 11 | 16 | 308 | CLA | O2A-CGA | 4.46 | 1.45 | 1.30 |
| 12 | 6 | 309 | KC1 | OBD-CAD | 4.46 | 1.28 | 1.22 |
| 12 | 12 | 313 | KC1 | OBD-CAD | 4.46 | 1.28 | 1.22 |
| 12 | 11 | 311 | KC1 | C1A-NA | -4.45 | 1.29 | 1.38 |
| 11 | 7 | 305 | CLA | C1D-ND | 4.45 | 1.43 | 1.37 |
| 12 | 8 | 312 | KC1 | OBD-CAD | 4.45 | 1.28 | 1.22 |
| 14 | 12 | 316 | A86 | C17-C18 | -4.45 | 1.45 | 1.52 |
| 11 | 6 | 312 | CLA | CHD-C1D | 4.45 | 1.47 | 1.38 |
| 14 | 6 | 317 | A86 | O4-C38 | 4.45 | 1.45 | 1.35 |
| 14 | 15 | 322 | A86 | C7-C6 | 4.45 | 1.60 | 1.50 |
| 12 | 16 | 304 | KC1 | OBD-CAD | 4.44 | 1.28 | 1.22 |
| 11 | 11 | 305 | CLA | O2A-CGA | 4.44 | 1.46 | 1.33 |
| 14 | 14 | 301 | A86 | O4-C38 | 4.44 | 1.45 | 1.35 |
| 12 | 12 | 305 | KC1 | OBD-CAD | 4.44 | 1.28 | 1.22 |
| 12 | 14 | 311 | KC1 | OBD-CAD | 4.43 | 1.28 | 1.22 |
| 11 | 16 | 303 | CLA | O2A-CGA | 4.43 | 1.46 | 1.33 |
| 14 | 7 | 315 | A86 | C17-C18 | -4.43 | 1.45 | 1.52 |
| 11 | 15 | 302 | CLA | O2A-CGA | 4.43 | 1.46 | 1.33 |
| 11 | 12 | 302 | CLA | C1D-ND | 4.43 | 1.43 | 1.37 |
| 12 | 14 | 311 | KC1 | CHB-C1B | 4.43 | 1.47 | 1.38 |
| 12 | 12 | 311 | KC1 | OBD-CAD | 4.42 | 1.28 | 1.22 |
| 12 | 11 | 310 | KC1 | OBD-CAD | 4.42 | 1.28 | 1.22 |
| 12 | 8 | 306 | KC1 | CHC-C4B | 4.42 | 1.47 | 1.38 |
| 11 | 12 | 306 | CLA | C1D-ND | 4.42 | 1.43 | 1.37 |
| 12 | 8 | 311 | KC1 | OBD-CAD | 4.42 | 1.28 | 1.22 |
| 12 | 8 | 307 | KC1 | CHC-C4B | 4.41 | 1.47 | 1.38 |
| 11 | 11 | 309 | CLA | CHD-C1D | 4.41 | 1.47 | 1.38 |
| 14 | 14 | 317 | A86 | C17-C18 | -4.41 | 1.46 | 1.52 |
| 12 | 13 | 310 | KC1 | OBD-CAD | 4.41 | 1.28 | 1.22 |
| 14 | 10 | 301 | A86 | C9-C8 | 4.41 | 1.45 | 1.34 |
| 11 | 15 | 312 | CLA | CHD-C1D | 4.40 | 1.46 | 1.38 |
| 11 | 7 | 303 | CLA | C1D-ND | 4.40 | 1.43 | 1.37 |
| 14 | 11 | 314 | A86 | O4-C38 | 4.40 | 1.45 | 1.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 13 | 309 | CLA | CHD-C1D | 4.40 | 1.46 | 1.38 |
| 12 | 7 | 312 | KC1 | CHC-C4B | 4.40 | 1.46 | 1.38 |
| 12 | 11 | 311 | KC1 | CHC-C4B | 4.39 | 1.46 | 1.38 |
| 12 | 10 | 310 | KC1 | CHC-C4B | 4.39 | 1.46 | 1.38 |
| 14 | 10 | 317 | A86 | O4-C38 | 4.39 | 1.45 | 1.35 |
| 14 | 10 | 301 | A86 | O4-C38 | 4.39 | 1.45 | 1.35 |
| 14 | 7 | 315 | A86 | C9-C8 | 4.39 | 1.45 | 1.34 |
| 12 | 12 | 305 | KC1 | CHB-C1B | 4.39 | 1.46 | 1.38 |
| 14 | 14 | 319 | A86 | O4-C38 | 4.39 | 1.45 | 1.35 |
| 14 | 15 | 320 | A86 | O4-C38 | 4.39 | 1.45 | 1.35 |
| 14 | 14 | 320 | A86 | C7-C6 | 4.39 | 1.60 | 1.50 |
| 12 | 12 | 309 | KC1 | CHC-C4B | 4.39 | 1.46 | 1.38 |
| 11 | 7 | 302 | CLA | O2A-CGA | 4.39 | 1.46 | 1.33 |
| 14 | 11 | 301 | A86 | C7-C6 | 4.39 | 1.59 | 1.50 |
| 11 | 14 | 307 | CLA | O2A-CGA | 4.39 | 1.46 | 1.33 |
| 12 | 7 | 307 | KC1 | OBD-CAD | 4.39 | 1.28 | 1.22 |
| 12 | 11 | 306 | KC1 | OBD-CAD | 4.38 | 1.28 | 1.22 |
| 12 | 12 | 313 | KC1 | C1A-CHA | 4.38 | 1.52 | 1.40 |
| 12 | 8 | 307 | KC1 | CHB-C1B | 4.38 | 1.46 | 1.38 |
| 14 | 7 | 314 | A86 | C26-C27 | 4.37 | 1.41 | 1.35 |
| 12 | 11 | 310 | KC1 | CHB-C1B | 4.37 | 1.46 | 1.38 |
| 14 | 15 | 315 | A86 | O4-C38 | 4.37 | 1.45 | 1.35 |
| 11 | 6 | 314 | CLA | CHD-C1D | 4.37 | 1.46 | 1.38 |
| 14 | 16 | 312 | A86 | C7-C6 | 4.37 | 1.59 | 1.50 |
| 11 | 15 | 311 | CLA | CHD-C1D | 4.37 | 1.46 | 1.38 |
| 12 | 13 | 305 | KC1 | C4D-ND | 4.37 | 1.39 | 1.35 |
| 11 | 14 | 303 | CLA | CHD-C1D | 4.37 | 1.46 | 1.38 |
| 11 | 15 | 304 | CLA | O2A-CGA | 4.37 | 1.46 | 1.33 |
| 12 | 14 | 311 | KC1 | C1A-NA | -4.37 | 1.29 | 1.38 |
| 11 | 13 | 303 | CLA | O2A-CGA | 4.37 | 1.46 | 1.33 |
| 11 | 13 | 304 | CLA | CHD-C1D | 4.37 | 1.46 | 1.38 |
| 12 | 13 | 305 | KC1 | CHB-C1B | 4.37 | 1.46 | 1.38 |
| 14 | 10 | 302 | A86 | O4-C38 | 4.37 | 1.45 | 1.35 |
| 12 | 8 | 306 | KC1 | OBD-CAD | 4.37 | 1.28 | 1.22 |
| 11 | 13 | 303 | CLA | CHD-C1D | 4.36 | 1.46 | 1.38 |
| 11 | 15 | 309 | CLA | CHD-C1D | 4.36 | 1.46 | 1.38 |
| 11 | 6 | 314 | CLA | O2A-CGA | 4.36 | 1.46 | 1.33 |
| 12 | 7 | 307 | KC1 | CHB-C1B | 4.36 | 1.46 | 1.38 |
| 14 | 14 | 316 | A86 | O4-C38 | 4.35 | 1.45 | 1.35 |
| 14 | 11 | 315 | A86 | O4-C38 | 4.35 | 1.45 | 1.35 |
| 11 | 6 | 303 | CLA | O2A-CGA | 4.35 | 1.46 | 1.33 |
| 12 | 11 | 311 | KC1 | OBD-CAD | 4.35 | 1.28 | 1.22 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 14 | 11 | 315 | A86 | C17-C18 | -4.35 | 1.46 | 1.52 |
| 12 | 6 | 310 | KC1 | OBD-CAD | 4.35 | 1.28 | 1.22 |
| 14 | 10 | 302 | A86 | C7-C6 | 4.35 | 1.59 | 1.50 |
| 11 | 14 | 305 | CLA | CHD-C1D | 4.35 | 1.46 | 1.38 |
| 12 | 12 | 309 | KC1 | OBD-CAD | 4.35 | 1.28 | 1.22 |
| 12 | 13 | 312 | KC1 | C4D-ND | 4.35 | 1.39 | 1.35 |
| 11 | 6 | 313 | CLA | C1D-ND | 4.34 | 1.43 | 1.37 |
| 14 | 11 | 314 | A86 | C19-C18 | 4.34 | 1.58 | 1.52 |
| 14 | 15 | 317 | A86 | C2-C1 | 4.34 | 1.41 | 1.35 |
| 12 | 8 | 311 | KC1 | CHC-C4B | 4.34 | 1.46 | 1.38 |
| 14 | 16 | 312 | A86 | O4-C38 | 4.34 | 1.45 | 1.35 |
| 12 | 10 | 310 | KC1 | OBD-CAD | 4.34 | 1.28 | 1.22 |
| 14 | 16 | 312 | A86 | C26-C27 | 4.34 | 1.41 | 1.35 |
| 12 | 13 | 308 | KC1 | OBD-CAD | 4.34 | 1.28 | 1.22 |
| 11 | 8 | 304 | CLA | C1D-ND | 4.34 | 1.43 | 1.37 |
| 12 | 14 | 308 | KC1 | CHB-C1B | 4.34 | 1.46 | 1.38 |
| 14 | 15 | 322 | A86 | O4-C38 | 4.33 | 1.45 | 1.35 |
| 11 | 15 | 303 | CLA | O2A-CGA | 4.33 | 1.46 | 1.33 |
| 14 | 14 | 318 | A86 | O4-C38 | 4.33 | 1.45 | 1.35 |
| 11 | 16 | 307 | CLA | CHD-C1D | 4.32 | 1.46 | 1.38 |
| 11 | 14 | 312 | CLA | CHD-C1D | 4.32 | 1.46 | 1.38 |
| 14 | 14 | 321 | A86 | O4-C38 | 4.32 | 1.45 | 1.35 |
| 11 | 12 | 321 | CLA | O2A-CGA | 4.32 | 1.46 | 1.33 |
| 14 | 13 | 315 | A86 | C10-C11 | 4.31 | 1.47 | 1.34 |
| 14 | 11 | 314 | A86 | C26-C27 | 4.31 | 1.41 | 1.35 |
| 11 | 15 | 313 | CLA | CHD-C1D | 4.31 | 1.46 | 1.38 |
| 14 | 15 | 317 | A86 | O4-C38 | 4.31 | 1.44 | 1.35 |
| 11 | 6 | 302 | CLA | O2A-CGA | 4.31 | 1.45 | 1.33 |
| 11 | 10 | 307 | CLA | C1D-ND | 4.31 | 1.43 | 1.37 |
| 14 | 15 | 320 | A86 | C7-C6 | 4.30 | 1.59 | 1.50 |
| 11 | 10 | 305 | CLA | O2A-CGA | 4.30 | 1.45 | 1.33 |
| 11 | 16 | 309 | CLA | CHD-C1D | 4.30 | 1.46 | 1.38 |
| 11 | 6 | 313 | CLA | O2A-CGA | 4.30 | 1.45 | 1.33 |
| 14 | 14 | 319 | A86 | C7-C6 | 4.30 | 1.59 | 1.50 |
| 12 | 6 | 309 | KC1 | CHB-C1B | 4.30 | 1.46 | 1.38 |
| 12 | 10 | 306 | KC1 | CHB-C1B | 4.30 | 1.46 | 1.38 |
| 12 | 13 | 310 | KC1 | CHB-C1B | 4.29 | 1.46 | 1.38 |
| 11 | 12 | 303 | CLA | O2A-CGA | 4.29 | 1.45 | 1.33 |
| 14 | 15 | 321 | A86 | C7-C6 | 4.29 | 1.59 | 1.50 |
| 14 | 13 | 315 | A86 | O4-C38 | 4.29 | 1.44 | 1.35 |
| 11 | 11 | 307 | CLA | O2A-CGA | 4.29 | 1.45 | 1.33 |
| 11 | 7 | 306 | CLA | O2A-CGA | 4.29 | 1.45 | 1.33 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 15 | 309 | CLA | O2A-CGA | 4.29 | 1.45 | 1.33 |
| 11 | 13 | 307 | CLA | O2A-CGA | 4.29 | 1.45 | 1.33 |
| 12 | 16 | 304 | KC1 | CHB-C1B | 4.29 | 1.46 | 1.38 |
| 14 | 13 | 313 | A86 | C17-C18 | -4.28 | 1.46 | 1.52 |
| 14 | 14 | 314 | A86 | O4-C38 | 4.28 | 1.44 | 1.35 |
| 11 | 14 | 304 | CLA | CHD-C1D | 4.28 | 1.46 | 1.38 |
| 14 | 14 | 317 | A86 | O4-C38 | 4.28 | 1.44 | 1.35 |
| 11 | 6 | 301 | CLA | O2A-CGA | 4.28 | 1.45 | 1.33 |
| 11 | 10 | 303 | CLA | O2A-CGA | 4.28 | 1.45 | 1.33 |
| 11 | 7 | 304 | CLA | O2A-CGA | 4.28 | 1.45 | 1.33 |
| 11 | 12 | 312 | CLA | O2A-CGA | 4.27 | 1.45 | 1.33 |
| 11 | 13 | 307 | CLA | CHD-C1D | 4.27 | 1.46 | 1.38 |
| 14 | 16 | 314 | A86 | O4-C38 | 4.27 | 1.44 | 1.35 |
| 14 | 15 | 317 | A86 | C7-C6 | 4.27 | 1.59 | 1.50 |
| 14 | 10 | 317 | A86 | C7-C6 | 4.27 | 1.59 | 1.50 |
| 12 | 11 | 306 | KC1 | CHB-C1B | 4.27 | 1.46 | 1.38 |
| 14 | 14 | 320 | A86 | C2-C1 | 4.27 | 1.41 | 1.35 |
| 11 | 15 | 310 | CLA | CHD-C1D | 4.26 | 1.46 | 1.38 |
| 12 | 13 | 308 | KC1 | CHB-C1B | 4.26 | 1.46 | 1.38 |
| 11 | 14 | 305 | CLA | O2A-CGA | 4.26 | 1.45 | 1.33 |
| 14 | 14 | 315 | A86 | C7-C6 | 4.26 | 1.59 | 1.50 |
| 14 | 14 | 301 | A86 | C17-C18 | -4.26 | 1.46 | 1.52 |
| 14 | 6 | 317 | A86 | C2-C1 | 4.26 | 1.41 | 1.35 |
| 11 | 7 | 311 | CLA | CHD-C1D | 4.26 | 1.46 | 1.38 |
| 11 | 10 | 309 | CLA | O2A-CGA | 4.26 | 1.45 | 1.33 |
| 12 | 8 | 310 | KC1 | CHB-C1B | 4.26 | 1.46 | 1.38 |
| 14 | 14 | 318 | A86 | C17-C18 | -4.26 | 1.46 | 1.52 |
| 11 | 6 | 304 | CLA | CHD-C1D | 4.26 | 1.46 | 1.38 |
| 11 | 16 | 306 | CLA | C1D-ND | 4.25 | 1.43 | 1.37 |
| 12 | 6 | 308 | KC1 | CHB-C1B | 4.25 | 1.46 | 1.38 |
| 14 | 14 | 317 | A86 | C7-C6 | 4.25 | 1.59 | 1.50 |
| 11 | 12 | 321 | CLA | CHD-C1D | 4.25 | 1.46 | 1.38 |
| 14 | 15 | 321 | A86 | O4-C38 | 4.25 | 1.44 | 1.35 |
| 11 | 16 | 306 | CLA | O2A-CGA | 4.25 | 1.45 | 1.33 |
| 11 | 15 | 307 | CLA | O2A-CGA | 4.25 | 1.45 | 1.33 |
| 12 | 8 | 311 | KC1 | CHB-C1B | 4.24 | 1.46 | 1.38 |
| 11 | 11 | 308 | CLA | C1D-ND | 4.24 | 1.43 | 1.37 |
| 12 | 8 | 313 | KC1 | OBD-CAD | 4.24 | 1.28 | 1.22 |
| 11 | 11 | 303 | CLA | O2A-CGA | 4.24 | 1.45 | 1.33 |
| 12 | 14 | 311 | KC1 | C4D-ND | 4.24 | 1.39 | 1.35 |
| 14 | 7 | 318 | A86 | O4-C38 | 4.24 | 1.44 | 1.35 |
| 14 | 12 | 314 | A86 | O4-C38 | 4.24 | 1.44 | 1.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 14 | 14 | 321 | A86 | C7-C6 | 4.24 | 1.59 | 1.50 |
| 11 | 15 | 304 | CLA | CHD-C1D | 4.24 | 1.46 | 1.38 |
| 14 | 15 | 320 | A86 | C5-C6 | 4.24 | 1.41 | 1.35 |
| 14 | 12 | 316 | A86 | C2-C1 | 4.24 | 1.41 | 1.35 |
| 12 | 11 | 311 | KC1 | CHB-C1B | 4.24 | 1.46 | 1.38 |
| 11 | 14 | 310 | CLA | O2A-CGA | 4.24 | 1.45 | 1.33 |
| 11 | 14 | 302 | CLA | O2A-CGA | 4.23 | 1.45 | 1.33 |
| 11 | 16 | 308 | CLA | CHD-C1D | 4.23 | 1.46 | 1.38 |
| 11 | 8 | 304 | CLA | O2A-CGA | 4.23 | 1.45 | 1.33 |
| 11 | 15 | 302 | CLA | CHD-C1D | 4.23 | 1.46 | 1.38 |
| 11 | 15 | 313 | CLA | O2A-CGA | 4.23 | 1.45 | 1.33 |
| 12 | 12 | 313 | KC1 | C4D-ND | 4.23 | 1.39 | 1.35 |
| 14 | 16 | 314 | A86 | C17-C18 | -4.22 | 1.46 | 1.52 |
| 11 | 15 | 305 | CLA | CHD-C1D | 4.22 | 1.46 | 1.38 |
| 14 | 13 | 315 | A86 | C17-C18 | -4.22 | 1.46 | 1.52 |
| 11 | 6 | 313 | CLA | CHD-C1D | 4.22 | 1.46 | 1.38 |
| 11 | 6 | 311 | CLA | O2A-CGA | 4.22 | 1.45 | 1.33 |
| 12 | 7 | 307 | KC1 | C1B-NB | -4.22 | 1.32 | 1.37 |
| 11 | 7 | 309 | CLA | O2A-CGA | 4.22 | 1.45 | 1.33 |
| 11 | 8 | 303 | CLA | O2A-CGA | 4.22 | 1.45 | 1.33 |
| 11 | 12 | 304 | CLA | O2A-CGA | 4.21 | 1.45 | 1.33 |
| 14 | 16 | 314 | A86 | C19-C18 | 4.21 | 1.58 | 1.52 |
| 12 | 6 | 308 | KC1 | CHC-C4B | 4.21 | 1.46 | 1.38 |
| 11 | 14 | 303 | CLA | O2A-CGA | 4.21 | 1.45 | 1.33 |
| 11 | 15 | 306 | CLA | CHD-C1D | 4.21 | 1.46 | 1.38 |
| 14 | 6 | 317 | A86 | C17-C18 | -4.21 | 1.46 | 1.52 |
| 12 | 8 | 306 | KC1 | CHB-C1B | 4.21 | 1.46 | 1.38 |
| 11 | 10 | 311 | CLA | CHD-C1D | 4.21 | 1.46 | 1.38 |
| 14 | 8 | 315 | A86 | O4-C38 | 4.21 | 1.44 | 1.35 |
| 14 | 16 | 314 | A86 | C26-C27 | 4.21 | 1.41 | 1.35 |
| 14 | 14 | 301 | A86 | C7-C6 | 4.21 | 1.59 | 1.50 |
| 11 | 14 | 302 | CLA | CHD-C1D | 4.21 | 1.46 | 1.38 |
| 12 | 8 | 306 | KC1 | C1B-NB | -4.20 | 1.32 | 1.37 |
| 14 | 14 | 319 | A86 | C17-C18 | -4.20 | 1.46 | 1.52 |
| 14 | 15 | 316 | A86 | C7-C6 | 4.20 | 1.59 | 1.50 |
| 14 | 14 | 317 | A86 | C2-C1 | 4.20 | 1.41 | 1.35 |
| 14 | 10 | 317 | A86 | C2-C1 | 4.20 | 1.41 | 1.35 |
| 11 | 8 | 309 | CLA | O2A-CGA | 4.20 | 1.45 | 1.33 |
| 11 | 12 | 307 | CLA | C1D-ND | 4.19 | 1.42 | 1.37 |
| 11 | 6 | 301 | CLA | CHD-C1D | 4.19 | 1.46 | 1.38 |
| 14 | 11 | 313 | A86 | O4-C38 | 4.19 | 1.44 | 1.35 |
| 14 | 14 | 321 | A86 | C17-C18 | -4.19 | 1.46 | 1.52 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 14 | 15 | 320 | A86 | C10-C11 | 4.19 | 1.46 | 1.34 |
| 12 | 14 | 306 | KC1 | CHB-C1B | 4.19 | 1.46 | 1.38 |
| 11 | 14 | 310 | CLA | CHD-C1D | 4.19 | 1.46 | 1.38 |
| 14 | 15 | 321 | A86 | C17-C18 | -4.19 | 1.46 | 1.52 |
| 14 | 12 | 316 | A86 | O4-C38 | 4.18 | 1.44 | 1.35 |
| 12 | 13 | 311 | KC1 | C4D-ND | 4.18 | 1.38 | 1.35 |
| 12 | 8 | 314 | KC1 | C1B-NB | -4.18 | 1.32 | 1.37 |
| 12 | 6 | 305 | KC1 | CHB-C1B | 4.18 | 1.46 | 1.38 |
| 14 | 11 | 301 | A86 | C26-C27 | 4.18 | 1.41 | 1.35 |
| 14 | 11 | 313 | A86 | C26-C27 | 4.18 | 1.41 | 1.35 |
| 14 | 11 | 301 | A86 | O4-C38 | 4.18 | 1.44 | 1.35 |
| 11 | 14 | 313 | CLA | CHD-C1D | 4.18 | 1.46 | 1.38 |
| 14 | 10 | 301 | A86 | C7-C6 | 4.17 | 1.59 | 1.50 |
| 14 | 10 | 315 | A86 | C7-C6 | 4.17 | 1.59 | 1.50 |
| 11 | 10 | 305 | CLA | CHD-C1D | 4.17 | 1.46 | 1.38 |
| 11 | 8 | 309 | CLA | CHD-C1D | 4.17 | 1.46 | 1.38 |
| 11 | 13 | 302 | CLA | CHD-C1D | 4.17 | 1.46 | 1.38 |
| 12 | 13 | 305 | KC1 | OBD-CAD | 4.17 | 1.28 | 1.22 |
| 11 | 11 | 309 | CLA | O2A-CGA | 4.17 | 1.45 | 1.33 |
| 14 | 14 | 316 | A86 | C7-C6 | 4.17 | 1.59 | 1.50 |
| 11 | 12 | 308 | CLA | O2A-CGA | 4.17 | 1.45 | 1.33 |
| 11 | 7 | 304 | CLA | CHD-C1D | 4.17 | 1.46 | 1.38 |
| 14 | 14 | 315 | A86 | O4-C38 | 4.16 | 1.44 | 1.35 |
| 11 | 15 | 303 | CLA | CHD-C1D | 4.16 | 1.46 | 1.38 |
| 12 | 8 | 307 | KC1 | OBD-CAD | 4.16 | 1.28 | 1.22 |
| 12 | 10 | 310 | KC1 | C1B-NB | -4.16 | 1.32 | 1.37 |
| 12 | 8 | 313 | KC1 | CHB-C1B | 4.16 | 1.46 | 1.38 |
| 11 | 7 | 309 | CLA | CHD-C1D | 4.16 | 1.46 | 1.38 |
| 14 | 8 | 315 | A86 | C9-C8 | 4.16 | 1.45 | 1.34 |
| 11 | 12 | 312 | CLA | CHD-C1D | 4.16 | 1.46 | 1.38 |
| 11 | 10 | 307 | CLA | O2A-CGA | 4.15 | 1.45 | 1.33 |
| 11 | 11 | 307 | CLA | CHD-C1D | 4.15 | 1.46 | 1.38 |
| 11 | 8 | 308 | CLA | O2A-CGA | 4.15 | 1.45 | 1.33 |
| 14 | 14 | 320 | A86 | C5-C6 | 4.15 | 1.41 | 1.35 |
| 14 | 14 | 318 | A86 | C2-C1 | 4.15 | 1.41 | 1.35 |
| 12 | 8 | 310 | KC1 | CHC-C4B | 4.15 | 1.46 | 1.38 |
| 11 | 10 | 304 | CLA | O2A-CGA | 4.15 | 1.45 | 1.33 |
| 11 | 12 | 304 | CLA | CHD-C1D | 4.15 | 1.46 | 1.38 |
| 11 | 6 | 307 | CLA | O2A-CGA | 4.15 | 1.45 | 1.33 |
| 14 | 10 | 316 | A86 | O4-C38 | 4.15 | 1.44 | 1.35 |
| 11 | 11 | 308 | CLA | CHD-C1D | 4.14 | 1.46 | 1.38 |
| 14 | 15 | 316 | A86 | O4-C38 | 4.14 | 1.44 | 1.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 13 | 302 | CLA | O2A-CGA | 4.14 | 1.45 | 1.33 |
| 14 | 7 | 315 | A86 | C7-C6 | 4.14 | 1.59 | 1.50 |
| 14 | 14 | 318 | A86 | C7-C6 | 4.14 | 1.59 | 1.50 |
| 14 | 14 | 301 | A86 | C21-C20 | 4.14 | 1.58 | 1.51 |
| 14 | 13 | 315 | A86 | C7-C6 | 4.14 | 1.59 | 1.50 |
| 11 | 15 | 307 | CLA | CHD-C1D | 4.14 | 1.46 | 1.38 |
| 14 | 11 | 315 | A86 | C7-C6 | 4.14 | 1.59 | 1.50 |
| 14 | 12 | 314 | A86 | C26-C27 | 4.14 | 1.41 | 1.35 |
| 11 | 16 | 310 | CLA | CHD-C1D | 4.14 | 1.46 | 1.38 |
| 11 | 12 | 310 | CLA | O2A-CGA | 4.13 | 1.45 | 1.33 |
| 11 | 15 | 312 | CLA | CHD-C4C | 4.13 | 1.48 | 1.39 |
| 12 | 6 | 305 | KC1 | C1A-CHA | 4.13 | 1.51 | 1.40 |
| 11 | 7 | 310 | CLA | CHD-C1D | 4.13 | 1.46 | 1.38 |
| 12 | 10 | 312 | KC1 | C1B-NB | -4.13 | 1.32 | 1.37 |
| 11 | 7 | 311 | CLA | O2A-CGA | 4.13 | 1.46 | 1.33 |
| 12 | 10 | 310 | KC1 | C4D-ND | 4.13 | 1.38 | 1.35 |
| 11 | 16 | 301 | CLA | O2A-CGA | 4.12 | 1.45 | 1.33 |
| 11 | 11 | 305 | CLA | CHD-C1D | 4.12 | 1.46 | 1.38 |
| 14 | 16 | 312 | A86 | C10-C11 | 4.12 | 1.46 | 1.34 |
| 11 | 6 | 302 | CLA | CHD-C1D | 4.12 | 1.46 | 1.38 |
| 14 | 11 | 313 | A86 | C2-C1 | 4.12 | 1.41 | 1.35 |
| 14 | 14 | 321 | A86 | C21-C20 | 4.12 | 1.58 | 1.51 |
| 14 | 11 | 313 | A86 | C7-C6 | 4.12 | 1.59 | 1.50 |
| 14 | 11 | 314 | A86 | C7-C6 | 4.12 | 1.59 | 1.50 |
| 11 | 13 | 301 | CLA | O2A-CGA | 4.12 | 1.45 | 1.33 |
| 11 | 6 | 304 | CLA | O2A-CGA | 4.12 | 1.45 | 1.33 |
| 11 | 12 | 302 | CLA | O2A-CGA | 4.11 | 1.45 | 1.33 |
| 12 | 16 | 304 | KC1 | C4D-ND | 4.11 | 1.38 | 1.35 |
| 14 | 14 | 319 | A86 | C10-C11 | 4.11 | 1.46 | 1.34 |
| 14 | 14 | 316 | A86 | C2-C1 | 4.11 | 1.41 | 1.35 |
| 12 | 12 | 313 | KC1 | C1A-NA | -4.11 | 1.30 | 1.38 |
| 12 | 13 | 305 | KC1 | C1A-CHA | 4.11 | 1.51 | 1.40 |
| 11 | 13 | 303 | CLA | CHD-C4C | 4.11 | 1.48 | 1.39 |
| 14 | 6 | 317 | A86 | C7-C6 | 4.11 | 1.59 | 1.50 |
| 11 | 8 | 302 | CLA | O2A-CGA | 4.11 | 1.45 | 1.33 |
| 14 | 14 | 314 | A86 | C5-C6 | 4.10 | 1.41 | 1.35 |
| 12 | 16 | 311 | KC1 | C4D-ND | 4.10 | 1.38 | 1.35 |
| 14 | 14 | 318 | A86 | C21-C20 | 4.10 | 1.58 | 1.51 |
| 11 | 7 | 310 | CLA | O2A-CGA | 4.10 | 1.45 | 1.33 |
| 11 | 16 | 302 | CLA | O2A-CGA | 4.10 | 1.45 | 1.33 |
| 12 | 14 | 306 | KC1 | C4D-ND | 4.10 | 1.38 | 1.35 |
| 14 | 7 | 318 | A86 | C7-C6 | 4.09 | 1.59 | 1.50 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 6 | 307 | CLA | CHD-C1D | 4.09 | 1.46 | 1.38 |
| 11 | 10 | 309 | CLA | CHD-C1D | 4.09 | 1.46 | 1.38 |
| 14 | 15 | 321 | A86 | C2-C1 | 4.09 | 1.41 | 1.35 |
| 11 | 12 | 303 | CLA | CHD-C1D | 4.09 | 1.46 | 1.38 |
| 12 | 10 | 312 | KC1 | CHB-C1B | 4.09 | 1.46 | 1.38 |
| 14 | 16 | 314 | A86 | C7-C6 | 4.09 | 1.59 | 1.50 |
| 14 | 14 | 301 | A86 | C2-C1 | 4.08 | 1.41 | 1.35 |
| 11 | 10 | 308 | CLA | CHD-C1D | 4.08 | 1.46 | 1.38 |
| 11 | 16 | 305 | CLA | O2A-CGA | 4.08 | 1.45 | 1.33 |
| 11 | 11 | 303 | CLA | CHD-C1D | 4.08 | 1.46 | 1.38 |
| 12 | 11 | 306 | KC1 | C4D-ND | 4.08 | 1.38 | 1.35 |
| 12 | 8 | 311 | KC1 | C1B-NB | -4.08 | 1.32 | 1.37 |
| 14 | 12 | 316 | A86 | C7-C6 | 4.08 | 1.59 | 1.50 |
| 12 | 7 | 307 | KC1 | C4D-ND | 4.08 | 1.38 | 1.35 |
| 11 | 14 | 309 | CLA | CHD-C4C | 4.08 | 1.48 | 1.39 |
| 11 | 11 | 308 | CLA | O2A-CGA | 4.08 | 1.45 | 1.33 |
| 12 | 11 | 311 | KC1 | C1A-CHA | 4.07 | 1.51 | 1.40 |
| 12 | 13 | 308 | KC1 | C4D-ND | 4.07 | 1.38 | 1.35 |
| 11 | 6 | 306 | CLA | CHD-C1D | 4.07 | 1.46 | 1.38 |
| 12 | 6 | 305 | KC1 | OBD-CAD | 4.07 | 1.28 | 1.22 |
| 14 | 15 | 322 | A86 | C10-C11 | 4.07 | 1.46 | 1.34 |
| 11 | 8 | 308 | CLA | CHD-C1D | 4.07 | 1.46 | 1.38 |
| 14 | 10 | 317 | A86 | C10-C11 | 4.07 | 1.46 | 1.34 |
| 12 | 13 | 310 | KC1 | C4D-ND | 4.07 | 1.38 | 1.35 |
| 12 | 12 | 309 | KC1 | C1A-CHA | 4.07 | 1.51 | 1.40 |
| 12 | 16 | 311 | KC1 | C1B-NB | -4.07 | 1.32 | 1.37 |
| 11 | 16 | 307 | CLA | O2A-CGA | 4.06 | 1.45 | 1.33 |
| 11 | 6 | 311 | CLA | CHD-C1D | 4.06 | 1.46 | 1.38 |
| 12 | 12 | 311 | KC1 | CHB-C1B | 4.06 | 1.46 | 1.38 |
| 14 | 8 | 318 | A86 | O4-C38 | 4.06 | 1.44 | 1.35 |
| 14 | 12 | 314 | A86 | C2-C1 | 4.06 | 1.41 | 1.35 |
| 12 | 7 | 312 | KC1 | CHB-C1B | 4.06 | 1.46 | 1.38 |
| 11 | 12 | 306 | CLA | O2A-CGA | 4.06 | 1.45 | 1.33 |
| 14 | 15 | 316 | A86 | C19-C18 | 4.06 | 1.58 | 1.52 |
| 11 | 12 | 306 | CLA | CHD-C1D | 4.05 | 1.46 | 1.38 |
| 14 | 15 | 315 | A86 | C7-C6 | 4.05 | 1.59 | 1.50 |
| 12 | 13 | 306 | KC1 | OBD-CAD | 4.05 | 1.28 | 1.22 |
| 14 | 12 | 314 | A86 | C21-C20 | 4.05 | 1.58 | 1.51 |
| 14 | 13 | 315 | A86 | C21-C20 | 4.05 | 1.58 | 1.51 |
| 14 | 8 | 318 | A86 | C7-C6 | 4.04 | 1.59 | 1.50 |
| 11 | 14 | 302 | CLA | CHD-C4C | 4.04 | 1.48 | 1.39 |
| 14 | 7 | 314 | A86 | C2-C1 | 4.04 | 1.41 | 1.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 6 | 303 | CLA | CHD-C1D | 4.04 | 1.46 | 1.38 |
| 11 | 10 | 303 | CLA | CHD-C1D | 4.04 | 1.46 | 1.38 |
| 14 | 7 | 315 | A86 | O4-C38 | 4.04 | 1.44 | 1.35 |
| 11 | 13 | 309 | CLA | CHD-C4C | 4.04 | 1.48 | 1.39 |
| 14 | 14 | 314 | A86 | C9-C10 | 4.04 | 1.56 | 1.43 |
| 11 | 7 | 303 | CLA | O2A-CGA | 4.04 | 1.45 | 1.33 |
| 12 | 12 | 313 | KC1 | C1B-NB | -4.04 | 1.32 | 1.37 |
| 12 | 12 | 311 | KC1 | C1B-NB | -4.03 | 1.32 | 1.37 |
| 14 | 14 | 319 | A86 | C21-C20 | 4.03 | 1.58 | 1.51 |
| 11 | 6 | 312 | CLA | CHD-C4C | 4.03 | 1.48 | 1.39 |
| 11 | 14 | 303 | CLA | CHD-C4C | 4.03 | 1.48 | 1.39 |
| 14 | 7 | 314 | A86 | C7-C6 | 4.03 | 1.59 | 1.50 |
| 11 | 15 | 302 | CLA | CHD-C4C | 4.03 | 1.48 | 1.39 |
| 11 | 11 | 305 | CLA | CHD-C4C | 4.03 | 1.48 | 1.39 |
| 11 | 10 | 308 | CLA | O2A-CGA | 4.02 | 1.45 | 1.33 |
| 12 | 16 | 311 | KC1 | C1A-CHA | 4.02 | 1.51 | 1.40 |
| 11 | 14 | 307 | CLA | CHD-C1D | 4.02 | 1.46 | 1.38 |
| 11 | 15 | 309 | CLA | CHD-C4C | 4.02 | 1.48 | 1.39 |
| 14 | 7 | 318 | A86 | C2-C1 | 4.02 | 1.41 | 1.35 |
| 14 | 13 | 315 | A86 | C9-C10 | 4.02 | 1.55 | 1.43 |
| 14 | 10 | 302 | A86 | C17-C18 | -4.02 | 1.46 | 1.52 |
| 11 | 16 | 306 | CLA | CHD-C1D | 4.01 | 1.46 | 1.38 |
| 11 | 10 | 304 | CLA | CHD-C1D | 4.01 | 1.46 | 1.38 |
| 12 | 10 | 306 | KC1 | OBD-CAD | 4.01 | 1.27 | 1.22 |
| 11 | 15 | 308 | CLA | CHD-C1D | 4.01 | 1.46 | 1.38 |
| 14 | 8 | 318 | A86 | C21-C20 | 4.01 | 1.58 | 1.51 |
| 14 | 14 | 320 | A86 | C21-C20 | 4.01 | 1.58 | 1.51 |
| 14 | 13 | 313 | A86 | C10-C11 | 4.01 | 1.46 | 1.34 |
| 12 | 14 | 311 | KC1 | C1A-CHA | 4.01 | 1.51 | 1.40 |
| 11 | 8 | 303 | CLA | C1D-ND | 4.01 | 1.42 | 1.37 |
| 11 | 8 | 301 | CLA | O2A-CGA | 4.01 | 1.45 | 1.33 |
| 14 | 10 | 316 | A86 | C7-C6 | 4.00 | 1.59 | 1.50 |
| 11 | 16 | 305 | CLA | CHD-C1D | 4.00 | 1.46 | 1.38 |
| 11 | 8 | 305 | CLA | O2A-CGA | 4.00 | 1.45 | 1.33 |
| 14 | 14 | 319 | A86 | C9-C10 | 4.00 | 1.55 | 1.43 |
| 12 | 8 | 306 | KC1 | C4D-ND | 4.00 | 1.38 | 1.35 |
| 11 | 16 | 308 | CLA | CHD-C4C | 4.00 | 1.48 | 1.39 |
| 12 | 12 | 305 | KC1 | C1A-CHA | 4.00 | 1.51 | 1.40 |
| 14 | 14 | 314 | A86 | C10-C11 | 4.00 | 1.46 | 1.34 |
| 14 | 11 | 313 | A86 | C21-C20 | 4.00 | 1.58 | 1.51 |
| 14 | 15 | 316 | A86 | C21-C20 | 3.99 | 1.58 | 1.51 |
| 11 | 14 | 313 | CLA | O2A-CGA | 3.99 | 1.45 | 1.33 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 12 | 10 | 306 | KC1 | C4D-ND | 3.99 | 1.38 | 1.35 |
| 11 | 7 | 308 | CLA | O2A-CGA | 3.99 | 1.45 | 1.33 |
| 14 | 16 | 312 | A86 | C21-C20 | 3.99 | 1.58 | 1.51 |
| 12 | 6 | 308 | KC1 | C1B-NB | -3.99 | 1.32 | 1.37 |
| 12 | 11 | 310 | KC1 | C4D-ND | 3.99 | 1.38 | 1.35 |
| 12 | 8 | 314 | KC1 | CHB-C1B | 3.99 | 1.46 | 1.38 |
| 11 | 8 | 303 | CLA | CHD-C1D | 3.99 | 1.46 | 1.38 |
| 11 | 15 | 314 | CLA | CHD-C1D | 3.98 | 1.46 | 1.38 |
| 12 | 13 | 312 | KC1 | C1A-CHA | 3.98 | 1.51 | 1.40 |
| 11 | 7 | 305 | CLA | O2A-CGA | 3.98 | 1.45 | 1.33 |
| 14 | 14 | 320 | A86 | C10-C11 | 3.98 | 1.46 | 1.34 |
| 14 | 15 | 321 | A86 | C21-C20 | 3.98 | 1.58 | 1.51 |
| 14 | 11 | 301 | A86 | C21-C20 | 3.98 | 1.58 | 1.51 |
| 11 | 7 | 305 | CLA | CHD-C1D | 3.98 | 1.46 | 1.38 |
| 12 | 6 | 305 | KC1 | C4D-ND | 3.98 | 1.38 | 1.35 |
| 11 | 16 | 302 | CLA | CHD-C1D | 3.98 | 1.46 | 1.38 |
| 12 | 8 | 313 | KC1 | C1B-NB | -3.98 | 1.32 | 1.37 |
| 12 | 12 | 311 | KC1 | C4D-ND | 3.97 | 1.38 | 1.35 |
| 14 | 14 | 315 | A86 | C2-C1 | 3.97 | 1.41 | 1.35 |
| 11 | 14 | 304 | CLA | CHD-C4C | 3.97 | 1.48 | 1.39 |
| 11 | 8 | 304 | CLA | CHD-C1D | 3.97 | 1.46 | 1.38 |
| 11 | 13 | 304 | CLA | CHD-C4C | 3.97 | 1.48 | 1.39 |
| 11 | 6 | 314 | CLA | CHD-C4C | 3.97 | 1.48 | 1.39 |
| 14 | 14 | 314 | A86 | C21-C20 | 3.97 | 1.58 | 1.51 |
| 12 | 14 | 308 | KC1 | C1A-CHA | 3.97 | 1.51 | 1.40 |
| 11 | 14 | 312 | CLA | CHD-C4C | 3.96 | 1.48 | 1.39 |
| 12 | 12 | 311 | KC1 | C1A-CHA | 3.96 | 1.51 | 1.40 |
| 11 | 7 | 311 | CLA | CHD-C4C | 3.96 | 1.48 | 1.39 |
| 14 | 13 | 313 | A86 | C5-C6 | 3.96 | 1.41 | 1.35 |
| 11 | 15 | 304 | CLA | CHD-C4C | 3.96 | 1.48 | 1.39 |
| 14 | 10 | 317 | A86 | C19-C18 | 3.95 | 1.58 | 1.52 |
| 12 | 6 | 305 | KC1 | C1B-NB | -3.95 | 1.32 | 1.37 |
| 11 | 14 | 313 | CLA | CHD-C4C | 3.95 | 1.48 | 1.39 |
| 14 | 15 | 315 | A86 | C9-C10 | 3.95 | 1.55 | 1.43 |
| 11 | 15 | 308 | CLA | CHD-C4C | 3.95 | 1.48 | 1.39 |
| 14 | 14 | 314 | A86 | C7-C6 | 3.95 | 1.59 | 1.50 |
| 12 | 10 | 310 | KC1 | CHB-C1B | 3.95 | 1.46 | 1.38 |
| 14 | 14 | 321 | A86 | C10-C11 | 3.95 | 1.46 | 1.34 |
| 12 | 12 | 309 | KC1 | C1B-NB | -3.95 | 1.32 | 1.37 |
| 14 | 15 | 317 | A86 | C5-C6 | 3.95 | 1.41 | 1.35 |
| 11 | 11 | 309 | CLA | CHD-C4C | 3.95 | 1.48 | 1.39 |
| 11 | 6 | 304 | CLA | CHD-C4C | 3.95 | 1.48 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 14 | 7 | 318 | A86 | C17-C18 | -3.94 | 1.46 | 1.52 |
| 12 | 6 | 310 | KC1 | C4D-ND | 3.94 | 1.38 | 1.35 |
| 11 | 15 | 310 | CLA | CHD-C4C | 3.94 | 1.48 | 1.39 |
| 12 | 8 | 314 | KC1 | C1A-CHA | 3.94 | 1.51 | 1.40 |
| 14 | 14 | 316 | A86 | C21-C20 | 3.94 | 1.58 | 1.51 |
| 14 | 14 | 319 | A86 | C5-C6 | 3.94 | 1.41 | 1.35 |
| 12 | 8 | 310 | KC1 | OBD-CAD | 3.94 | 1.27 | 1.22 |
| 11 | 15 | 305 | CLA | CHD-C4C | 3.93 | 1.48 | 1.39 |
| 11 | 6 | 306 | CLA | O2A-CGA | 3.93 | 1.44 | 1.33 |
| 11 | 16 | 309 | CLA | CHD-C4C | 3.93 | 1.48 | 1.39 |
| 12 | 14 | 306 | KC1 | C1B-NB | -3.93 | 1.32 | 1.37 |
| 14 | 11 | 301 | A86 | C10-C11 | 3.93 | 1.46 | 1.34 |
| 11 | 12 | 307 | CLA | CHD-C1D | 3.93 | 1.46 | 1.38 |
| 12 | 6 | 309 | KC1 | C4D-ND | 3.93 | 1.38 | 1.35 |
| 12 | 8 | 310 | KC1 | C1B-NB | -3.93 | 1.33 | 1.37 |
| 14 | 15 | 317 | A86 | C21-C20 | 3.93 | 1.58 | 1.51 |
| 14 | 7 | 318 | A86 | C10-C11 | 3.92 | 1.46 | 1.34 |
| 14 | 15 | 320 | A86 | C21-C20 | 3.92 | 1.58 | 1.51 |
| 12 | 11 | 306 | KC1 | C1A-CHA | 3.92 | 1.51 | 1.40 |
| 12 | 7 | 312 | KC1 | C1B-NB | -3.92 | 1.33 | 1.37 |
| 11 | 10 | 308 | CLA | CHD-C4C | 3.92 | 1.48 | 1.39 |
| 11 | 15 | 303 | CLA | CHD-C4C | 3.92 | 1.48 | 1.39 |
| 11 | 12 | 308 | CLA | CHD-C1D | 3.92 | 1.46 | 1.38 |
| 12 | 7 | 307 | KC1 | C1A-CHA | 3.92 | 1.51 | 1.40 |
| 14 | 14 | 321 | A86 | C5-C6 | 3.92 | 1.41 | 1.35 |
| 12 | 11 | 311 | KC1 | C1B-NB | -3.92 | 1.33 | 1.37 |
| 11 | 6 | 313 | CLA | CHD-C4C | 3.92 | 1.48 | 1.39 |
| 12 | 8 | 311 | KC1 | C1A-CHA | 3.92 | 1.51 | 1.40 |
| 14 | 7 | 315 | A86 | C21-C20 | 3.91 | 1.58 | 1.51 |
| 14 | 8 | 315 | A86 | C7-C6 | 3.91 | 1.59 | 1.50 |
| 14 | 15 | 322 | A86 | C9-C10 | 3.91 | 1.55 | 1.43 |
| 14 | 14 | 315 | A86 | C26-C27 | 3.91 | 1.41 | 1.35 |
| 12 | 13 | 310 | KC1 | C1A-CHA | 3.91 | 1.51 | 1.40 |
| 14 | 15 | 317 | A86 | C10-C11 | 3.90 | 1.45 | 1.34 |
| 14 | 10 | 302 | A86 | C21-C20 | 3.90 | 1.57 | 1.51 |
| 11 | 7 | 309 | CLA | CHD-C4C | 3.90 | 1.48 | 1.39 |
| 11 | 11 | 308 | CLA | CHD-C4C | 3.90 | 1.48 | 1.39 |
| 12 | 12 | 309 | KC1 | CHB-C1B | 3.90 | 1.46 | 1.38 |
| 14 | 15 | 316 | A86 | C10-C11 | 3.90 | 1.45 | 1.34 |
| 14 | 14 | 314 | A86 | C19-C18 | 3.90 | 1.57 | 1.52 |
| 12 | 6 | 309 | KC1 | C1B-NB | -3.90 | 1.33 | 1.37 |
| 11 | 11 | 307 | CLA | CHD-C4C | 3.90 | 1.48 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 14 | 14 | 320 | A86 | C17-C18 | -3.89 | 1.46 | 1.52 |
| 11 | 14 | 307 | CLA | CHD-C4C | 3.89 | 1.48 | 1.39 |
| 14 | 15 | 320 | A86 | C9-C10 | 3.89 | 1.55 | 1.43 |
| 11 | 12 | 307 | CLA | O2A-CGA | 3.89 | 1.45 | 1.33 |
| 14 | 12 | 314 | A86 | C7-C6 | 3.89 | 1.58 | 1.50 |
| 14 | 11 | 315 | A86 | C21-C20 | 3.89 | 1.57 | 1.51 |
| 11 | 7 | 303 | CLA | CHD-C1D | 3.89 | 1.45 | 1.38 |
| 14 | 14 | 320 | A86 | C9-C10 | 3.89 | 1.55 | 1.43 |
| 11 | 8 | 301 | CLA | C1D-ND | 3.89 | 1.42 | 1.37 |
| 14 | 10 | 316 | A86 | C26-C27 | 3.89 | 1.40 | 1.35 |
| 11 | 13 | 301 | CLA | CHD-C1D | 3.89 | 1.45 | 1.38 |
| 14 | 14 | 321 | A86 | C9-C10 | 3.89 | 1.55 | 1.43 |
| 12 | 6 | 308 | KC1 | OBD-CAD | 3.89 | 1.27 | 1.22 |
| 11 | 15 | 306 | CLA | CHD-C4C | 3.88 | 1.48 | 1.39 |
| 14 | 15 | 320 | A86 | C19-C18 | 3.88 | 1.57 | 1.52 |
| 14 | 11 | 314 | A86 | C21-C20 | 3.88 | 1.57 | 1.51 |
| 11 | 6 | 301 | CLA | CHD-C4C | 3.88 | 1.48 | 1.39 |
| 11 | 12 | 304 | CLA | CHD-C4C | 3.88 | 1.48 | 1.39 |
| 14 | 10 | 317 | A86 | C9-C10 | 3.88 | 1.55 | 1.43 |
| 11 | 15 | 311 | CLA | CHD-C4C | 3.88 | 1.48 | 1.39 |
| 11 | 14 | 310 | CLA | CHD-C4C | 3.88 | 1.48 | 1.39 |
| 14 | 11 | 301 | A86 | C9-C10 | 3.88 | 1.55 | 1.43 |
| 14 | 13 | 313 | A86 | C7-C6 | 3.88 | 1.58 | 1.50 |
| 11 | 14 | 305 | CLA | CHD-C4C | 3.88 | 1.48 | 1.39 |
| 14 | 16 | 314 | A86 | C2-C1 | 3.88 | 1.40 | 1.35 |
| 11 | 10 | 309 | CLA | CHD-C4C | 3.88 | 1.48 | 1.39 |
| 11 | 10 | 311 | CLA | CHD-C4C | 3.88 | 1.48 | 1.39 |
| 14 | 15 | 322 | A86 | C5-C6 | 3.87 | 1.40 | 1.35 |
| 14 | 13 | 313 | A86 | C21-C20 | 3.87 | 1.57 | 1.51 |
| 12 | 6 | 310 | KC1 | C1B-NB | -3.87 | 1.33 | 1.37 |
| 11 | 12 | 321 | CLA | CHD-C4C | 3.87 | 1.48 | 1.39 |
| 14 | 12 | 314 | A86 | C9-C10 | 3.87 | 1.55 | 1.43 |
| 12 | 8 | 310 | KC1 | C1A-CHA | 3.87 | 1.51 | 1.40 |
| 12 | 12 | 309 | KC1 | C4D-ND | 3.87 | 1.38 | 1.35 |
| 12 | 16 | 304 | KC1 | C1A-CHA | 3.87 | 1.51 | 1.40 |
| 11 | 15 | 314 | CLA | CHD-C4C | 3.87 | 1.48 | 1.39 |
| 12 | 8 | 314 | KC1 | C4D-ND | 3.87 | 1.38 | 1.35 |
| 11 | 12 | 310 | CLA | CHD-C1D | 3.87 | 1.45 | 1.38 |
| 11 | 15 | 313 | CLA | CHD-C4C | 3.87 | 1.48 | 1.39 |
| 14 | 10 | 315 | A86 | C10-C11 | 3.87 | 1.45 | 1.34 |
| 11 | 10 | 305 | CLA | CHD-C4C | 3.87 | 1.48 | 1.39 |
| 11 | 7 | 308 | CLA | CHD-C1D | 3.86 | 1.45 | 1.38 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 14 | 6 | 317 | A86 | C5-C6 | 3.86 | 1.40 | 1.35 |
| 12 | 8 | 312 | KC1 | C4D-ND | 3.86 | 1.38 | 1.35 |
| 14 | 7 | 318 | A86 | C9-C10 | 3.86 | 1.55 | 1.43 |
| 12 | 13 | 306 | KC1 | C1B-NB | -3.86 | 1.33 | 1.37 |
| 14 | 8 | 318 | A86 | C26-C27 | 3.86 | 1.40 | 1.35 |
| 14 | 10 | 315 | A86 | C9-C10 | 3.85 | 1.55 | 1.43 |
| 14 | 15 | 316 | A86 | C5-C6 | 3.85 | 1.40 | 1.35 |
| 12 | 13 | 310 | KC1 | CHC-C1C | 3.85 | 1.48 | 1.39 |
| 12 | 6 | 309 | KC1 | C1A-CHA | 3.85 | 1.50 | 1.40 |
| 12 | 8 | 313 | KC1 | C1A-CHA | 3.84 | 1.50 | 1.40 |
| 14 | 10 | 301 | A86 | C26-C27 | 3.84 | 1.40 | 1.35 |
| 14 | 7 | 314 | A86 | O4-C38 | 3.84 | 1.43 | 1.35 |
| 12 | 13 | 306 | KC1 | CHC-C1C | 3.84 | 1.48 | 1.39 |
| 11 | 16 | 307 | CLA | CHD-C4C | 3.84 | 1.48 | 1.39 |
| 11 | 7 | 304 | CLA | CHD-C4C | 3.84 | 1.48 | 1.39 |
| 12 | 8 | 313 | KC1 | CHC-C1C | 3.84 | 1.48 | 1.39 |
| 12 | 14 | 306 | KC1 | CHC-C1C | 3.83 | 1.48 | 1.39 |
| 11 | 7 | 303 | CLA | CHD-C4C | 3.83 | 1.48 | 1.39 |
| 14 | 14 | 315 | A86 | C21-C20 | 3.83 | 1.57 | 1.51 |
| 12 | 11 | 306 | KC1 | C1B-NB | -3.83 | 1.33 | 1.37 |
| 12 | 11 | 311 | KC1 | C4D-ND | 3.83 | 1.38 | 1.35 |
| 11 | 13 | 302 | CLA | CHD-C4C | 3.83 | 1.48 | 1.39 |
| 11 | 11 | 303 | CLA | CHD-C4C | 3.83 | 1.48 | 1.39 |
| 12 | 10 | 312 | KC1 | C4D-ND | 3.82 | 1.38 | 1.35 |
| 12 | 10 | 306 | KC1 | C1A-CHA | 3.82 | 1.50 | 1.40 |
| 12 | 12 | 313 | KC1 | CHB-C1B | 3.82 | 1.45 | 1.38 |
| 11 | 6 | 302 | CLA | CHD-C4C | 3.82 | 1.48 | 1.39 |
| 12 | 8 | 307 | KC1 | C4D-ND | 3.82 | 1.38 | 1.35 |
| 12 | 11 | 304 | KC1 | C1B-NB | -3.82 | 1.33 | 1.37 |
| 14 | 16 | 314 | A86 | C9-C10 | 3.82 | 1.55 | 1.43 |
| 12 | 11 | 304 | KC1 | OBD-CAD | 3.82 | 1.27 | 1.22 |
| 14 | 7 | 314 | A86 | C21-C20 | 3.82 | 1.57 | 1.51 |
| 11 | 13 | 307 | CLA | CHD-C4C | 3.82 | 1.47 | 1.39 |
| 14 | 8 | 315 | A86 | C21-C20 | 3.81 | 1.57 | 1.51 |
| 11 | 6 | 307 | CLA | CHD-C4C | 3.81 | 1.47 | 1.39 |
| 12 | 8 | 306 | KC1 | C1A-CHA | 3.81 | 1.50 | 1.40 |
| 14 | 6 | 317 | A86 | C10-C11 | 3.81 | 1.45 | 1.34 |
| 14 | 15 | 317 | A86 | C9-C10 | 3.81 | 1.55 | 1.43 |
| 12 | 6 | 310 | KC1 | C1A-CHA | 3.81 | 1.50 | 1.40 |
| 11 | 6 | 314 | CLA | C3D-C2D | 3.81 | 1.49 | 1.39 |
| 11 | 7 | 306 | CLA | CHD-C1D | 3.81 | 1.45 | 1.38 |
| 14 | 10 | 316 | A86 | C21-C20 | 3.80 | 1.57 | 1.51 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 12 | 8 | 310 | KC1 | C4B-NB | -3.80 | 1.33 | 1.37 |
| 11 | 12 | 312 | CLA | CHD-C4C | 3.80 | 1.47 | 1.39 |
| 12 | 12 | 305 | KC1 | C1B-NB | -3.80 | 1.33 | 1.37 |
| 12 | 13 | 311 | KC1 | C1B-NB | -3.80 | 1.33 | 1.37 |
| 11 | 6 | 311 | CLA | CHD-C4C | 3.80 | 1.47 | 1.39 |
| 14 | 11 | 314 | A86 | C10-C11 | 3.80 | 1.45 | 1.34 |
| 11 | 16 | 301 | CLA | CHD-C1D | 3.80 | 1.45 | 1.38 |
| 14 | 11 | 301 | A86 | C2-C1 | 3.79 | 1.40 | 1.35 |
| 11 | 6 | 303 | CLA | CHD-C4C | 3.79 | 1.47 | 1.39 |
| 14 | 16 | 312 | A86 | C9-C10 | 3.79 | 1.55 | 1.43 |
| 11 | 15 | 310 | CLA | C3D-C2D | 3.79 | 1.49 | 1.39 |
| 14 | 6 | 317 | A86 | C9-C10 | 3.79 | 1.55 | 1.43 |
| 11 | 6 | 312 | CLA | C3D-C2D | 3.79 | 1.49 | 1.39 |
| 14 | 14 | 317 | A86 | C21-C20 | 3.79 | 1.57 | 1.51 |
| 12 | 8 | 307 | KC1 | C1B-NB | -3.79 | 1.33 | 1.37 |
| 14 | 12 | 314 | A86 | C10-C11 | 3.79 | 1.45 | 1.34 |
| 11 | 14 | 309 | CLA | C3D-C2D | 3.79 | 1.49 | 1.39 |
| 11 | 13 | 303 | CLA | C3D-C2D | 3.78 | 1.49 | 1.39 |
| 11 | 8 | 308 | CLA | CHD-C4C | 3.78 | 1.47 | 1.39 |
| 14 | 13 | 313 | A86 | C9-C10 | 3.78 | 1.55 | 1.43 |
| 12 | 8 | 312 | KC1 | C1A-CHA | 3.78 | 1.50 | 1.40 |
| 14 | 15 | 316 | A86 | C9-C10 | 3.78 | 1.55 | 1.43 |
| 14 | 10 | 315 | A86 | C21-C20 | 3.78 | 1.57 | 1.51 |
| 11 | 13 | 309 | CLA | C3D-C2D | 3.78 | 1.49 | 1.39 |
| 11 | 15 | 308 | CLA | C3D-C2D | 3.78 | 1.49 | 1.39 |
| 14 | 14 | 301 | A86 | C10-C11 | 3.78 | 1.45 | 1.34 |
| 11 | 16 | 302 | CLA | CHD-C4C | 3.78 | 1.47 | 1.39 |
| 11 | 8 | 309 | CLA | C3D-C2D | 3.78 | 1.49 | 1.39 |
| 12 | 11 | 310 | KC1 | C1B-NB | -3.78 | 1.33 | 1.37 |
| 12 | 13 | 308 | KC1 | C1A-CHA | 3.78 | 1.50 | 1.40 |
| 12 | 13 | 311 | KC1 | C1A-CHA | 3.78 | 1.50 | 1.40 |
| 14 | 11 | 313 | A86 | C17-C18 | -3.77 | 1.46 | 1.52 |
| 11 | 15 | 314 | CLA | OBD-CAD | 3.77 | 1.29 | 1.22 |
| 14 | 10 | 301 | A86 | C21-C20 | 3.77 | 1.57 | 1.51 |
| 11 | 6 | 306 | CLA | CHD-C4C | 3.77 | 1.47 | 1.39 |
| 12 | 14 | 306 | KC1 | C1A-CHA | 3.77 | 1.50 | 1.40 |
| 12 | 7 | 312 | KC1 | C4D-ND | 3.77 | 1.38 | 1.35 |
| 12 | 13 | 306 | KC1 | C4D-ND | 3.77 | 1.38 | 1.35 |
| 11 | 13 | 302 | CLA | C3D-C2D | 3.77 | 1.49 | 1.39 |
| 14 | 10 | 302 | A86 | C9-C10 | 3.76 | 1.55 | 1.43 |
| 11 | 16 | 303 | CLA | CHD-C1D | 3.76 | 1.45 | 1.38 |
| 11 | 7 | 306 | CLA | CHD-C4C | 3.76 | 1.47 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 12 | 6 | 305 | KC1 | CHC-C1C | 3.76 | 1.47 | 1.39 |
| 12 | 10 | 310 | KC1 | C1A-CHA | 3.76 | 1.50 | 1.40 |
| 11 | 13 | 301 | CLA | CHD-C4C | 3.76 | 1.47 | 1.39 |
| 12 | 7 | 312 | KC1 | C1A-CHA | 3.75 | 1.50 | 1.40 |
| 14 | 14 | 318 | A86 | C9-C10 | 3.75 | 1.55 | 1.43 |
| 14 | 11 | 315 | A86 | C2-C1 | 3.75 | 1.40 | 1.35 |
| 11 | 8 | 302 | CLA | CHD-C1D | 3.75 | 1.45 | 1.38 |
| 11 | 8 | 302 | CLA | CHD-C4C | 3.75 | 1.47 | 1.39 |
| 11 | 16 | 303 | CLA | CHD-C4C | 3.75 | 1.47 | 1.39 |
| 11 | 15 | 311 | CLA | OBD-CAD | 3.75 | 1.28 | 1.22 |
| 12 | 11 | 306 | KC1 | CHC-C1C | 3.75 | 1.47 | 1.39 |
| 11 | 11 | 309 | CLA | C3D-C2D | 3.75 | 1.49 | 1.39 |
| 12 | 10 | 306 | KC1 | C1B-NB | -3.75 | 1.33 | 1.37 |
| 11 | 15 | 307 | CLA | C3D-C2D | 3.75 | 1.49 | 1.39 |
| 12 | 16 | 304 | KC1 | C1B-NB | -3.75 | 1.33 | 1.37 |
| 14 | 12 | 316 | A86 | C9-C10 | 3.75 | 1.55 | 1.43 |
| 14 | 16 | 314 | A86 | C21-C20 | 3.75 | 1.57 | 1.51 |
| 12 | 12 | 305 | KC1 | C4D-ND | 3.75 | 1.38 | 1.35 |
| 14 | 12 | 316 | A86 | C10-C11 | 3.75 | 1.45 | 1.34 |
| 11 | 14 | 312 | CLA | C3D-C2D | 3.75 | 1.49 | 1.39 |
| 14 | 10 | 302 | A86 | C19-C18 | 3.74 | 1.57 | 1.52 |
| 11 | 15 | 313 | CLA | C3D-C2D | 3.74 | 1.49 | 1.39 |
| 14 | 16 | 312 | A86 | C5-C6 | 3.74 | 1.40 | 1.35 |
| 14 | 13 | 315 | A86 | C5-C6 | 3.74 | 1.40 | 1.35 |
| 11 | 14 | 305 | CLA | C3D-C2D | 3.74 | 1.49 | 1.39 |
| 11 | 12 | 303 | CLA | C3D-C2D | 3.74 | 1.49 | 1.39 |
| 11 | 13 | 304 | CLA | C3D-C2D | 3.74 | 1.49 | 1.39 |
| 12 | 16 | 311 | KC1 | CHB-C1B | 3.73 | 1.45 | 1.38 |
| 11 | 14 | 309 | CLA | OBD-CAD | 3.73 | 1.28 | 1.22 |
| 11 | 15 | 307 | CLA | CHD-C4C | 3.73 | 1.47 | 1.39 |
| 12 | 8 | 311 | KC1 | CHC-C1C | 3.73 | 1.47 | 1.39 |
| 14 | 14 | 318 | A86 | C10-C11 | 3.73 | 1.45 | 1.34 |
| 11 | 6 | 306 | CLA | C3D-C2D | 3.73 | 1.49 | 1.39 |
| 11 | 8 | 309 | CLA | CHD-C4C | 3.73 | 1.47 | 1.39 |
| 12 | 11 | 310 | KC1 | C1A-CHA | 3.73 | 1.50 | 1.40 |
| 12 | 10 | 312 | KC1 | C1A-CHA | 3.73 | 1.50 | 1.40 |
| 11 | 7 | 310 | CLA | CHD-C4C | 3.73 | 1.47 | 1.39 |
| 11 | 12 | 308 | CLA | CHD-C4C | 3.73 | 1.47 | 1.39 |
| 11 | 16 | 306 | CLA | CHD-C4C | 3.73 | 1.47 | 1.39 |
| 11 | 15 | 309 | CLA | OBD-CAD | 3.73 | 1.28 | 1.22 |
| 14 | 15 | 321 | A86 | C10-C11 | 3.73 | 1.45 | 1.34 |
| 11 | 10 | 304 | CLA | CHD-C4C | 3.73 | 1.47 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 10 | 307 | CLA | CHD-C4C | 3.73 | 1.47 | 1.39 |
| 11 | 15 | 308 | CLA | OBD-CAD | 3.73 | 1.28 | 1.22 |
| 11 | 13 | 303 | CLA | OBD-CAD | 3.72 | 1.28 | 1.22 |
| 12 | 11 | 304 | KC1 | C4D-ND | 3.72 | 1.38 | 1.35 |
| 14 | 16 | 312 | A86 | C2-C1 | 3.72 | 1.40 | 1.35 |
| 14 | 15 | 321 | A86 | C9-C10 | 3.72 | 1.55 | 1.43 |
| 11 | 14 | 303 | CLA | C3D-C2D | 3.72 | 1.49 | 1.39 |
| 11 | 14 | 304 | CLA | C3D-C2D | 3.72 | 1.49 | 1.39 |
| 11 | 11 | 305 | CLA | C3D-C2D | 3.72 | 1.49 | 1.39 |
| 11 | 12 | 304 | CLA | C3D-C2D | 3.72 | 1.49 | 1.39 |
| 11 | 16 | 309 | CLA | C3D-C2D | 3.72 | 1.49 | 1.39 |
| 12 | 7 | 312 | KC1 | CHC-C1C | 3.71 | 1.47 | 1.39 |
| 11 | 8 | 301 | CLA | C3D-C2D | 3.71 | 1.49 | 1.39 |
| 11 | 6 | 307 | CLA | C3D-C2D | 3.71 | 1.49 | 1.39 |
| 11 | 16 | 308 | CLA | OBD-CAD | 3.71 | 1.28 | 1.22 |
| 11 | 15 | 305 | CLA | C3D-C2D | 3.71 | 1.49 | 1.39 |
| 14 | 11 | 313 | A86 | C10-C11 | 3.71 | 1.45 | 1.34 |
| 12 | 8 | 314 | KC1 | OBD-CAD | 3.71 | 1.27 | 1.22 |
| 11 | 14 | 304 | CLA | OBD-CAD | 3.71 | 1.28 | 1.22 |
| 11 | 13 | 304 | CLA | OBD-CAD | 3.71 | 1.28 | 1.22 |
| 12 | 6 | 308 | KC1 | C4D-ND | 3.70 | 1.38 | 1.35 |
| 14 | 8 | 318 | A86 | C9-C10 | 3.70 | 1.54 | 1.43 |
| 11 | 13 | 309 | CLA | OBD-CAD | 3.70 | 1.28 | 1.22 |
| 11 | 15 | 310 | CLA | OBD-CAD | 3.70 | 1.28 | 1.22 |
| 12 | 14 | 311 | KC1 | CHC-C1C | 3.70 | 1.47 | 1.39 |
| 11 | 15 | 306 | CLA | C3D-C2D | 3.70 | 1.49 | 1.39 |
| 14 | 8 | 318 | A86 | C5-C6 | 3.70 | 1.40 | 1.35 |
| 11 | 16 | 310 | CLA | CHD-C4C | 3.70 | 1.47 | 1.39 |
| 12 | 11 | 310 | KC1 | CHC-C1C | 3.70 | 1.47 | 1.39 |
| 14 | 15 | 315 | A86 | C21-C20 | 3.70 | 1.57 | 1.51 |
| 11 | 15 | 304 | CLA | C3D-C2D | 3.69 | 1.49 | 1.39 |
| 12 | 8 | 312 | KC1 | CHC-C1C | 3.69 | 1.47 | 1.39 |
| 14 | 15 | 321 | A86 | C5-C6 | 3.69 | 1.40 | 1.35 |
| 11 | 16 | 305 | CLA | C3D-C2D | 3.69 | 1.49 | 1.39 |
| 11 | 8 | 303 | CLA | CHD-C4C | 3.69 | 1.47 | 1.39 |
| 11 | 16 | 309 | CLA | OBD-CAD | 3.69 | 1.28 | 1.22 |
| 12 | 13 | 308 | KC1 | C1B-NB | -3.69 | 1.33 | 1.37 |
| 11 | 6 | 312 | CLA | OBD-CAD | 3.68 | 1.28 | 1.22 |
| 11 | 13 | 307 | CLA | C3D-C2D | 3.68 | 1.49 | 1.39 |
| 11 | 14 | 313 | CLA | C3D-C2D | 3.68 | 1.49 | 1.39 |
| 11 | 12 | 321 | CLA | C3D-C2D | 3.68 | 1.49 | 1.39 |
| 11 | 15 | 311 | CLA | C3D-C2D | 3.68 | 1.49 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 14 | 14 | 315 | A86 | C9-C10 | 3.68 | 1.54 | 1.43 |
| 11 | 10 | 311 | CLA | C3D-C2D | 3.68 | 1.49 | 1.39 |
| 11 | 15 | 303 | CLA | C3D-C2D | 3.68 | 1.49 | 1.39 |
| 14 | 14 | 318 | A86 | C5-C6 | 3.68 | 1.40 | 1.35 |
| 11 | 8 | 303 | CLA | C3D-C2D | 3.68 | 1.49 | 1.39 |
| 14 | 12 | 316 | A86 | C21-C20 | 3.68 | 1.57 | 1.51 |
| 12 | 13 | 305 | KC1 | C1B-NB | -3.68 | 1.33 | 1.37 |
| 11 | 7 | 302 | CLA | C1D-ND | 3.68 | 1.42 | 1.37 |
| 12 | 14 | 311 | KC1 | C1B-NB | -3.68 | 1.33 | 1.37 |
| 14 | 14 | 317 | A86 | C9-C10 | 3.68 | 1.54 | 1.43 |
| 11 | 12 | 302 | CLA | CHD-C1D | 3.68 | 1.45 | 1.38 |
| 11 | 7 | 310 | CLA | C3D-C2D | 3.67 | 1.49 | 1.39 |
| 11 | 12 | 306 | CLA | CHD-C4C | 3.67 | 1.47 | 1.39 |
| 14 | 14 | 317 | A86 | C5-C6 | 3.67 | 1.40 | 1.35 |
| 11 | 10 | 303 | CLA | C3D-C2D | 3.67 | 1.49 | 1.39 |
| 11 | 15 | 302 | CLA | C3D-C2D | 3.67 | 1.49 | 1.39 |
| 11 | 15 | 306 | CLA | OBD-CAD | 3.67 | 1.28 | 1.22 |
| 11 | 10 | 307 | CLA | CHD-C1D | 3.67 | 1.45 | 1.38 |
| 11 | 14 | 313 | CLA | OBD-CAD | 3.67 | 1.28 | 1.22 |
| 14 | 10 | 315 | A86 | C19-C18 | 3.67 | 1.57 | 1.52 |
| 12 | 13 | 312 | KC1 | CHC-C1C | 3.67 | 1.47 | 1.39 |
| 11 | 7 | 305 | CLA | C3D-C2D | 3.67 | 1.49 | 1.39 |
| 12 | 16 | 311 | KC1 | CHC-C1C | 3.67 | 1.47 | 1.39 |
| 11 | 15 | 309 | CLA | C3D-C2D | 3.67 | 1.49 | 1.39 |
| 11 | 12 | 312 | CLA | C3D-C2D | 3.66 | 1.49 | 1.39 |
| 11 | 10 | 304 | CLA | C3D-C2D | 3.66 | 1.49 | 1.39 |
| 14 | 10 | 302 | A86 | C10-C11 | 3.66 | 1.45 | 1.34 |
| 12 | 6 | 309 | KC1 | CHC-C1C | 3.66 | 1.47 | 1.39 |
| 14 | 10 | 316 | A86 | C2-C1 | 3.66 | 1.40 | 1.35 |
| 11 | 12 | 303 | CLA | CHD-C4C | 3.66 | 1.47 | 1.39 |
| 11 | 12 | 310 | CLA | CHD-C4C | 3.66 | 1.47 | 1.39 |
| 12 | 11 | 304 | KC1 | C1A-CHA | 3.66 | 1.50 | 1.40 |
| 11 | 16 | 307 | CLA | C3D-C2D | 3.65 | 1.49 | 1.39 |
| 14 | 16 | 314 | A86 | C10-C11 | 3.65 | 1.45 | 1.34 |
| 11 | 13 | 307 | CLA | OBD-CAD | 3.65 | 1.28 | 1.22 |
| 14 | 11 | 313 | A86 | C9-C10 | 3.65 | 1.54 | 1.43 |
| 12 | 12 | 309 | KC1 | CHC-C1C | 3.65 | 1.47 | 1.39 |
| 14 | 14 | 301 | A86 | C9-C10 | 3.65 | 1.54 | 1.43 |
| 13 | 15 | 319 | DD6 | C35-C34 | 3.65 | 1.58 | 1.52 |
| 12 | 10 | 312 | KC1 | CHC-C1C | 3.64 | 1.47 | 1.39 |
| 11 | 11 | 308 | CLA | OBD-CAD | 3.64 | 1.28 | 1.22 |
| 11 | 8 | 304 | CLA | C3D-C2D | 3.64 | 1.49 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 8 | 301 | CLA | CHD-C1D | 3.64 | 1.45 | 1.38 |
| 11 | 16 | 301 | CLA | C3D-C2D | 3.64 | 1.49 | 1.39 |
| 11 | 6 | 302 | CLA | C3D-C2D | 3.64 | 1.49 | 1.39 |
| 14 | 10 | 302 | A86 | C2-C1 | 3.64 | 1.40 | 1.35 |
| 11 | 14 | 307 | CLA | C3D-C2D | 3.64 | 1.49 | 1.39 |
| 14 | 11 | 314 | A86 | C2-C1 | 3.64 | 1.40 | 1.35 |
| 14 | 14 | 316 | A86 | C9-C10 | 3.64 | 1.54 | 1.43 |
| 11 | 12 | 307 | CLA | C3D-C2D | 3.64 | 1.49 | 1.39 |
| 11 | 14 | 303 | CLA | OBD-CAD | 3.64 | 1.28 | 1.22 |
| 12 | 8 | 307 | KC1 | C1A-CHA | 3.64 | 1.50 | 1.40 |
| 11 | 16 | 305 | CLA | CHD-C4C | 3.64 | 1.47 | 1.39 |
| 11 | 15 | 305 | CLA | OBD-CAD | 3.64 | 1.28 | 1.22 |
| 14 | 15 | 322 | A86 | C21-C20 | 3.64 | 1.57 | 1.51 |
| 14 | 15 | 322 | A86 | C19-C18 | 3.64 | 1.57 | 1.52 |
| 14 | 10 | 317 | A86 | C5-C6 | 3.64 | 1.40 | 1.35 |
| 12 | 8 | 311 | KC1 | C4D-ND | 3.64 | 1.38 | 1.35 |
| 12 | 8 | 314 | KC1 | CHC-C1C | 3.63 | 1.47 | 1.39 |
| 11 | 16 | 307 | CLA | OBD-CAD | 3.63 | 1.28 | 1.22 |
| 11 | 12 | 307 | CLA | CHD-C4C | 3.63 | 1.47 | 1.39 |
| 12 | 8 | 307 | KC1 | CHC-C1C | 3.63 | 1.47 | 1.39 |
| 14 | 11 | 314 | A86 | C9-C10 | 3.63 | 1.54 | 1.43 |
| 11 | 15 | 313 | CLA | OBD-CAD | 3.63 | 1.28 | 1.22 |
| 12 | 14 | 308 | KC1 | C1B-NB | -3.63 | 1.33 | 1.37 |
| 12 | 13 | 308 | KC1 | CHC-C1C | 3.63 | 1.47 | 1.39 |
| 11 | 6 | 301 | CLA | C3D-C2D | 3.63 | 1.49 | 1.39 |
| 12 | 16 | 304 | KC1 | CHC-C1C | 3.63 | 1.47 | 1.39 |
| 11 | 16 | 301 | CLA | CHD-C4C | 3.63 | 1.47 | 1.39 |
| 11 | 7 | 305 | CLA | CHD-C4C | 3.63 | 1.47 | 1.39 |
| 11 | 12 | 306 | CLA | C3D-C2D | 3.62 | 1.49 | 1.39 |
| 11 | 14 | 310 | CLA | OBD-CAD | 3.62 | 1.28 | 1.22 |
| 12 | 13 | 306 | KC1 | C1A-CHA | 3.62 | 1.50 | 1.40 |
| 14 | 14 | 315 | A86 | C10-C11 | 3.62 | 1.45 | 1.34 |
| 12 | 6 | 310 | KC1 | CHC-C1C | 3.62 | 1.47 | 1.39 |
| 12 | 13 | 305 | KC1 | CHC-C1C | 3.62 | 1.47 | 1.39 |
| 11 | 7 | 302 | CLA | C3D-C2D | 3.62 | 1.49 | 1.39 |
| 11 | 7 | 311 | CLA | C3D-C2D | 3.61 | 1.49 | 1.39 |
| 11 | 10 | 307 | CLA | C3D-C2D | 3.61 | 1.49 | 1.39 |
| 11 | 14 | 312 | CLA | OBD-CAD | 3.61 | 1.28 | 1.22 |
| 11 | 7 | 311 | CLA | OBD-CAD | 3.61 | 1.28 | 1.22 |
| 14 | 10 | 316 | A86 | C9-C10 | 3.61 | 1.54 | 1.43 |
| 11 | 10 | 305 | CLA | C3D-C2D | 3.61 | 1.49 | 1.39 |
| 11 | 16 | 303 | CLA | C3D-C2D | 3.61 | 1.49 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 14 | 307 | CLA | OBD-CAD | 3.60 | 1.28 | 1.22 |
| 11 | 10 | 303 | CLA | CHD-C4C | 3.60 | 1.47 | 1.39 |
| 11 | 15 | 302 | CLA | OBD-CAD | 3.60 | 1.28 | 1.22 |
| 14 | 12 | 314 | A86 | C5-C6 | 3.60 | 1.40 | 1.35 |
| 11 | 6 | 314 | CLA | OBD-CAD | 3.60 | 1.28 | 1.22 |
| 11 | 7 | 303 | CLA | C3D-C2D | 3.60 | 1.48 | 1.39 |
| 14 | 10 | 315 | A86 | C17-C18 | -3.60 | 1.47 | 1.52 |
| 11 | 14 | 305 | CLA | OBD-CAD | 3.59 | 1.28 | 1.22 |
| 11 | 10 | 308 | CLA | C3D-C2D | 3.59 | 1.48 | 1.39 |
| 11 | 11 | 309 | CLA | OBD-CAD | 3.59 | 1.28 | 1.22 |
| 11 | 12 | 308 | CLA | OBD-CAD | 3.59 | 1.28 | 1.22 |
| 11 | 10 | 309 | CLA | C3D-C2D | 3.59 | 1.48 | 1.39 |
| 14 | 8 | 318 | A86 | C2-C1 | 3.59 | 1.40 | 1.35 |
| 14 | 10 | 316 | A86 | C10-C11 | 3.58 | 1.45 | 1.34 |
| 14 | 14 | 316 | A86 | C10-C11 | 3.58 | 1.45 | 1.34 |
| 14 | 7 | 314 | A86 | C9-C10 | 3.58 | 1.54 | 1.43 |
| 14 | 14 | 301 | A86 | C5-C6 | 3.58 | 1.40 | 1.35 |
| 11 | 16 | 308 | CLA | C3D-C2D | 3.57 | 1.48 | 1.39 |
| 11 | 6 | 311 | CLA | OBD-CAD | 3.57 | 1.28 | 1.22 |
| 11 | 15 | 314 | CLA | C3D-C2D | 3.57 | 1.48 | 1.39 |
| 11 | 10 | 311 | CLA | OBD-CAD | 3.57 | 1.28 | 1.22 |
| 11 | 13 | 301 | CLA | C3D-C2D | 3.57 | 1.48 | 1.39 |
| 11 | 8 | 308 | CLA | C3D-C2D | 3.57 | 1.48 | 1.39 |
| 11 | 10 | 309 | CLA | OBD-CAD | 3.57 | 1.28 | 1.22 |
| 11 | 11 | 307 | CLA | C3D-C2D | 3.57 | 1.48 | 1.39 |
| 11 | 13 | 301 | CLA | OBD-CAD | 3.57 | 1.28 | 1.22 |
| 11 | 6 | 303 | CLA | C3D-C2D | 3.57 | 1.48 | 1.39 |
| 14 | 14 | 315 | A86 | C5-C6 | 3.57 | 1.40 | 1.35 |
| 11 | 8 | 304 | CLA | CHD-C4C | 3.57 | 1.47 | 1.39 |
| 14 | 13 | 313 | A86 | C19-C18 | 3.57 | 1.57 | 1.52 |
| 14 | 11 | 315 | A86 | C9-C10 | 3.56 | 1.54 | 1.43 |
| 11 | 15 | 304 | CLA | OBD-CAD | 3.56 | 1.28 | 1.22 |
| 12 | 6 | 308 | KC1 | C1A-CHA | 3.56 | 1.50 | 1.40 |
| 14 | 11 | 315 | A86 | C10-C11 | 3.56 | 1.44 | 1.34 |
| 14 | 14 | 319 | A86 | C19-C18 | 3.56 | 1.57 | 1.52 |
| 11 | 8 | 309 | CLA | OBD-CAD | 3.56 | 1.28 | 1.22 |
| 14 | 7 | 314 | A86 | C10-C11 | 3.56 | 1.44 | 1.34 |
| 11 | 16 | 302 | CLA | C3D-C2D | 3.55 | 1.48 | 1.39 |
| 13 | 15 | 318 | DD6 | C35-C34 | 3.55 | 1.58 | 1.52 |
| 11 | 14 | 302 | CLA | OBD-CAD | 3.54 | 1.28 | 1.22 |
| 11 | 7 | 302 | CLA | CHD-C4C | 3.54 | 1.47 | 1.39 |
| 11 | 16 | 306 | CLA | C3D-C2D | 3.54 | 1.48 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 7 | 308 | CLA | CHD-C4C | 3.54 | 1.47 | 1.39 |
| 11 | 15 | 312 | CLA | OBD-CAD | 3.54 | 1.28 | 1.22 |
| 12 | 13 | 310 | KC1 | C1B-NB | -3.54 | 1.33 | 1.37 |
| 12 | 10 | 312 | KC1 | C4B-NB | -3.53 | 1.33 | 1.37 |
| 11 | 8 | 305 | CLA | CHD-C4C | 3.53 | 1.47 | 1.39 |
| 14 | 14 | 321 | A86 | C19-C18 | 3.53 | 1.57 | 1.52 |
| 14 | 11 | 313 | A86 | C19-C18 | 3.53 | 1.57 | 1.52 |
| 12 | 14 | 308 | KC1 | CHC-C1C | 3.53 | 1.47 | 1.39 |
| 12 | 13 | 311 | KC1 | CHC-C1C | 3.53 | 1.47 | 1.39 |
| 11 | 7 | 308 | CLA | C3D-C2D | 3.52 | 1.48 | 1.39 |
| 14 | 7 | 318 | A86 | C21-C20 | 3.52 | 1.57 | 1.51 |
| 14 | 10 | 317 | A86 | C21-C20 | 3.52 | 1.57 | 1.51 |
| 14 | 14 | 317 | A86 | C10-C11 | 3.51 | 1.44 | 1.34 |
| 11 | 7 | 309 | CLA | C3D-C2D | 3.51 | 1.48 | 1.39 |
| 12 | 10 | 310 | KC1 | CHC-C1C | 3.51 | 1.47 | 1.39 |
| 14 | 11 | 313 | A86 | C5-C6 | 3.51 | 1.40 | 1.35 |
| 11 | 14 | 310 | CLA | C3D-C2D | 3.51 | 1.48 | 1.39 |
| 11 | 6 | 313 | CLA | C3D-C2D | 3.50 | 1.48 | 1.39 |
| 14 | 13 | 315 | A86 | C19-C18 | 3.50 | 1.57 | 1.52 |
| 11 | 15 | 312 | CLA | C3D-C2D | 3.50 | 1.48 | 1.39 |
| 11 | 6 | 304 | CLA | OBD-CAD | 3.50 | 1.28 | 1.22 |
| 11 | 12 | 310 | CLA | C3D-C2D | 3.50 | 1.48 | 1.39 |
| 11 | 16 | 301 | CLA | OBD-CAD | 3.50 | 1.28 | 1.22 |
| 12 | 11 | 304 | KC1 | CHC-C1C | 3.49 | 1.47 | 1.39 |
| 12 | 10 | 306 | KC1 | CHC-C1C | 3.49 | 1.47 | 1.39 |
| 12 | 12 | 311 | KC1 | CHC-C1C | 3.49 | 1.47 | 1.39 |
| 14 | 15 | 322 | A86 | C17-C18 | -3.49 | 1.47 | 1.52 |
| 14 | 7 | 315 | A86 | C9-C10 | 3.49 | 1.54 | 1.43 |
| 14 | 6 | 317 | A86 | C21-C20 | 3.49 | 1.57 | 1.51 |
| 11 | 14 | 302 | CLA | C3D-C2D | 3.49 | 1.48 | 1.39 |
| 11 | 8 | 301 | CLA | CHD-C4C | 3.49 | 1.47 | 1.39 |
| 14 | 14 | 314 | A86 | C17-C18 | -3.49 | 1.47 | 1.52 |
| 12 | 7 | 312 | KC1 | C4B-NB | -3.49 | 1.33 | 1.37 |
| 11 | 6 | 311 | CLA | C3D-C2D | 3.49 | 1.48 | 1.39 |
| 11 | 10 | 308 | CLA | OBD-CAD | 3.49 | 1.28 | 1.22 |
| 11 | 6 | 313 | CLA | OBD-CAD | 3.48 | 1.28 | 1.22 |
| 11 | 16 | 305 | CLA | OBD-CAD | 3.48 | 1.28 | 1.22 |
| 11 | 8 | 305 | CLA | CHD-C1D | 3.48 | 1.45 | 1.38 |
| 11 | 16 | 310 | CLA | C3D-C2D | 3.48 | 1.48 | 1.39 |
| 11 | 6 | 306 | CLA | OBD-CAD | 3.48 | 1.28 | 1.22 |
| 12 | 11 | 311 | KC1 | CHC-C1C | 3.48 | 1.47 | 1.39 |
| 12 | 8 | 311 | KC1 | C4B-NB | -3.48 | 1.33 | 1.37 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 12 | 302 | CLA | C3D-C2D | 3.48 | 1.48 | 1.39 |
| 14 | 15 | 316 | A86 | C17-C18 | -3.47 | 1.47 | 1.52 |
| 11 | 12 | 308 | CLA | C3D-C2D | 3.47 | 1.48 | 1.39 |
| 11 | 15 | 307 | CLA | OBD-CAD | 3.47 | 1.28 | 1.22 |
| 12 | 8 | 313 | KC1 | C4D-ND | 3.47 | 1.38 | 1.35 |
| 11 | 6 | 304 | CLA | C3D-C2D | 3.47 | 1.48 | 1.39 |
| 12 | 7 | 307 | KC1 | CHC-C1C | 3.47 | 1.47 | 1.39 |
| 14 | 7 | 315 | A86 | C10-C11 | 3.47 | 1.44 | 1.34 |
| 11 | 12 | 312 | CLA | OBD-CAD | 3.46 | 1.28 | 1.22 |
| 11 | 11 | 303 | CLA | C3D-C2D | 3.46 | 1.48 | 1.39 |
| 14 | 10 | 317 | A86 | C17-C18 | -3.46 | 1.47 | 1.52 |
| 13 | 12 | 317 | DD6 | O2-C18 | 3.46 | 1.53 | 1.43 |
| 11 | 7 | 306 | CLA | C3D-C2D | 3.46 | 1.48 | 1.39 |
| 11 | 11 | 303 | CLA | OBD-CAD | 3.45 | 1.28 | 1.22 |
| 14 | 14 | 315 | A86 | C19-C18 | 3.45 | 1.57 | 1.52 |
| 12 | 6 | 308 | KC1 | C4B-NB | -3.45 | 1.33 | 1.37 |
| 11 | 11 | 308 | CLA | C3D-C2D | 3.45 | 1.48 | 1.39 |
| 12 | 8 | 310 | KC1 | CHC-C1C | 3.44 | 1.47 | 1.39 |
| 12 | 12 | 305 | KC1 | CHC-C1C | 3.44 | 1.47 | 1.39 |
| 11 | 8 | 308 | CLA | OBD-CAD | 3.44 | 1.28 | 1.22 |
| 13 | 11 | 312 | DD6 | O2-C18 | 3.44 | 1.53 | 1.43 |
| 14 | 12 | 316 | A86 | C5-C6 | 3.44 | 1.40 | 1.35 |
| 11 | 6 | 307 | CLA | OBD-CAD | 3.43 | 1.28 | 1.22 |
| 14 | 14 | 318 | A86 | C19-C18 | 3.43 | 1.57 | 1.52 |
| 12 | 12 | 309 | KC1 | C4B-NB | -3.43 | 1.33 | 1.37 |
| 12 | 8 | 306 | KC1 | CHC-C1C | 3.42 | 1.47 | 1.39 |
| 11 | 8 | 302 | CLA | C3D-C2D | 3.42 | 1.48 | 1.39 |
| 11 | 7 | 309 | CLA | OBD-CAD | 3.41 | 1.28 | 1.22 |
| 14 | 10 | 301 | A86 | C2-C1 | 3.41 | 1.40 | 1.35 |
| 11 | 12 | 302 | CLA | CHD-C4C | 3.41 | 1.47 | 1.39 |
| 14 | 11 | 314 | A86 | C5-C6 | 3.41 | 1.40 | 1.35 |
| 12 | 8 | 314 | KC1 | C4B-NB | -3.41 | 1.33 | 1.37 |
| 12 | 13 | 312 | KC1 | C1B-NB | -3.41 | 1.33 | 1.37 |
| 14 | 15 | 320 | A86 | C17-C18 | -3.41 | 1.47 | 1.52 |
| 11 | 16 | 303 | CLA | OBD-CAD | 3.41 | 1.28 | 1.22 |
| 14 | 8 | 315 | A86 | C26-C27 | 3.40 | 1.40 | 1.35 |
| 12 | 12 | 313 | KC1 | CHC-C1C | 3.40 | 1.47 | 1.39 |
| 12 | 6 | 308 | KC1 | CHC-C1C | 3.40 | 1.47 | 1.39 |
| 14 | 12 | 314 | A86 | C19-C18 | 3.40 | 1.57 | 1.52 |
| 14 | 11 | 314 | A86 | C17-C18 | -3.39 | 1.47 | 1.52 |
| 14 | 10 | 302 | A86 | C5-C6 | 3.39 | 1.40 | 1.35 |
| 11 | 6 | 301 | CLA | OBD-CAD | 3.39 | 1.28 | 1.22 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 13 | 15 | 318 | DD6 | C-C1 | 3.39 | 1.57 | 1.50 |
| 13 | 13 | 314 | DD6 | O2-C18 | 3.38 | 1.53 | 1.43 |
| 11 | 7 | 306 | CLA | OBD-CAD | 3.37 | 1.28 | 1.22 |
| 12 | 7 | 307 | KC1 | C4B-NB | -3.37 | 1.33 | 1.37 |
| 11 | 7 | 305 | CLA | OBD-CAD | 3.37 | 1.28 | 1.22 |
| 11 | 12 | 306 | CLA | OBD-CAD | 3.37 | 1.28 | 1.22 |
| 11 | 7 | 302 | CLA | CHD-C1D | 3.37 | 1.44 | 1.38 |
| 14 | 15 | 317 | A86 | C19-C18 | 3.37 | 1.57 | 1.52 |
| 12 | 6 | 310 | KC1 | C4B-NB | -3.37 | 1.33 | 1.37 |
| 12 | 8 | 312 | KC1 | C1B-NB | -3.37 | 1.33 | 1.37 |
| 14 | 14 | 316 | A86 | C5-C6 | 3.37 | 1.40 | 1.35 |
| 14 | 15 | 321 | A86 | C19-C18 | 3.36 | 1.57 | 1.52 |
| 14 | 15 | 320 | A86 | C25-C24 | 3.36 | 1.43 | 1.34 |
| 14 | 11 | 315 | A86 | C5-C6 | 3.36 | 1.40 | 1.35 |
| 14 | 14 | 320 | A86 | C19-C18 | 3.36 | 1.57 | 1.52 |
| 11 | 7 | 302 | CLA | OBD-CAD | 3.36 | 1.28 | 1.22 |
| 14 | 16 | 314 | A86 | C5-C6 | 3.35 | 1.40 | 1.35 |
| 12 | 11 | 310 | KC1 | C4B-NB | -3.35 | 1.33 | 1.37 |
| 13 | 7 | 316 | DD6 | O2-C18 | 3.35 | 1.53 | 1.43 |
| 14 | 10 | 301 | A86 | C9-C10 | 3.34 | 1.53 | 1.43 |
| 11 | 10 | 303 | CLA | OBD-CAD | 3.34 | 1.28 | 1.22 |
| 11 | 8 | 305 | CLA | C3D-C2D | 3.34 | 1.48 | 1.39 |
| 13 | 7 | 317 | DD6 | O2-C18 | 3.33 | 1.53 | 1.43 |
| 12 | 12 | 313 | KC1 | C4B-NB | -3.33 | 1.33 | 1.37 |
| 11 | 8 | 303 | CLA | OBD-CAD | 3.33 | 1.28 | 1.22 |
| 13 | 15 | 319 | DD6 | O2-C18 | 3.33 | 1.53 | 1.43 |
| 11 | 7 | 304 | CLA | C3D-C2D | 3.33 | 1.48 | 1.39 |
| 11 | 12 | 304 | CLA | OBD-CAD | 3.33 | 1.28 | 1.22 |
| 12 | 11 | 311 | KC1 | C4B-NB | -3.32 | 1.33 | 1.37 |
| 11 | 12 | 302 | CLA | OBD-CAD | 3.32 | 1.28 | 1.22 |
| 11 | 11 | 305 | CLA | OBD-CAD | 3.32 | 1.28 | 1.22 |
| 13 | 15 | 318 | DD6 | O2-C18 | 3.31 | 1.53 | 1.43 |
| 14 | 8 | 318 | A86 | C10-C11 | 3.31 | 1.44 | 1.34 |
| 12 | 16 | 311 | KC1 | C4B-NB | -3.30 | 1.33 | 1.37 |
| 11 | 11 | 307 | CLA | OBD-CAD | 3.30 | 1.28 | 1.22 |
| 14 | 8 | 318 | A86 | C19-C18 | 3.30 | 1.57 | 1.52 |
| 11 | 13 | 302 | CLA | OBD-CAD | 3.30 | 1.28 | 1.22 |
| 11 | 7 | 310 | CLA | OBD-CAD | 3.30 | 1.28 | 1.22 |
| 11 | 8 | 301 | CLA | OBD-CAD | 3.29 | 1.28 | 1.22 |
| 12 | 12 | 305 | KC1 | C4B-NB | -3.29 | 1.33 | 1.37 |
| 13 | 7 | 313 | DD6 | O2-C18 | 3.29 | 1.53 | 1.43 |
| 13 | 10 | 313 | DD6 | O2-C18 | 3.29 | 1.53 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 13 | 10 | 314 | DD6 | O2-C18 | 3.28 | 1.53 | 1.43 |
| 13 | 7 | 301 | DD6 | C-C1 | 3.28 | 1.57 | 1.50 |
| 14 | 7 | 318 | A86 | C5-C6 | 3.28 | 1.40 | 1.35 |
| 12 | 11 | 304 | KC1 | C4B-NB | -3.28 | 1.33 | 1.37 |
| 12 | 16 | 304 | KC1 | C4B-NB | -3.28 | 1.33 | 1.37 |
| 14 | 10 | 315 | A86 | C5-C6 | 3.28 | 1.40 | 1.35 |
| 14 | 15 | 322 | A86 | C25-C24 | 3.27 | 1.43 | 1.34 |
| 13 | 15 | 319 | DD6 | C-C1 | 3.27 | 1.57 | 1.50 |
| 13 | 7 | 301 | DD6 | O2-C18 | 3.27 | 1.53 | 1.43 |
| 13 | 6 | 316 | DD6 | O2-C18 | 3.26 | 1.53 | 1.43 |
| 14 | 10 | 301 | A86 | C10-C11 | 3.26 | 1.44 | 1.34 |
| 14 | 14 | 321 | A86 | C25-C24 | 3.25 | 1.42 | 1.34 |
| 14 | 15 | 322 | A86 | C14-C15 | 3.25 | 1.59 | 1.52 |
| 12 | 8 | 307 | KC1 | C4B-NB | -3.24 | 1.33 | 1.37 |
| 14 | 6 | 317 | A86 | C19-C18 | 3.24 | 1.57 | 1.52 |
| 14 | 10 | 302 | A86 | C25-C24 | 3.24 | 1.42 | 1.34 |
| 14 | 7 | 315 | A86 | C26-C27 | 3.24 | 1.40 | 1.35 |
| 14 | 10 | 316 | A86 | C5-C6 | 3.24 | 1.40 | 1.35 |
| 12 | 8 | 313 | KC1 | C4B-NB | -3.23 | 1.33 | 1.37 |
| 14 | 15 | 317 | A86 | C25-C24 | 3.22 | 1.42 | 1.34 |
| 11 | 10 | 304 | CLA | OBD-CAD | 3.22 | 1.28 | 1.22 |
| 12 | 11 | 306 | KC1 | C4B-NB | -3.22 | 1.33 | 1.37 |
| 12 | 13 | 310 | KC1 | C4B-NB | -3.21 | 1.33 | 1.37 |
| 13 | 6 | 315 | DD6 | O2-C18 | 3.20 | 1.52 | 1.43 |
| 12 | 13 | 311 | KC1 | C4A-C3A | 3.20 | 1.50 | 1.44 |
| 13 | 16 | 313 | DD6 | O2-C18 | 3.19 | 1.52 | 1.43 |
| 14 | 7 | 315 | A86 | C2-C1 | 3.19 | 1.40 | 1.35 |
| 11 | 12 | 321 | CLA | OBD-CAD | 3.19 | 1.28 | 1.22 |
| 14 | 12 | 316 | A86 | C25-C24 | 3.18 | 1.42 | 1.34 |
| 14 | 8 | 315 | A86 | C9-C10 | 3.18 | 1.53 | 1.43 |
| 14 | 14 | 301 | A86 | C19-C18 | 3.18 | 1.56 | 1.52 |
| 13 | 8 | 317 | DD6 | O2-C18 | 3.17 | 1.52 | 1.43 |
| 11 | 8 | 301 | CLA | C4B-NB | -3.17 | 1.32 | 1.35 |
| 11 | 6 | 302 | CLA | OBD-CAD | 3.17 | 1.27 | 1.22 |
| 13 | 6 | 318 | DD6 | O2-C18 | 3.17 | 1.52 | 1.43 |
| 13 | 16 | 313 | DD6 | C-C1 | 3.16 | 1.57 | 1.50 |
| 14 | 14 | 320 | A86 | C25-C24 | 3.16 | 1.42 | 1.34 |
| 13 | 7 | 316 | DD6 | C-C1 | 3.16 | 1.57 | 1.50 |
| 13 | 6 | 318 | DD6 | C35-C34 | 3.16 | 1.57 | 1.52 |
| 14 | 14 | 317 | A86 | C19-C18 | 3.16 | 1.56 | 1.52 |
| 13 | 12 | 315 | DD6 | O2-C18 | 3.16 | 1.52 | 1.43 |
| 14 | 16 | 312 | A86 | C19-C18 | 3.15 | 1.56 | 1.52 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 13 | 7 | 317 | DD6 | C-C1 | 3.15 | 1.57 | 1.50 |
| 11 | 8 | 303 | CLA | C1B-NB | -3.15 | 1.32 | 1.35 |
| 14 | 10 | 301 | A86 | C19-C18 | 3.15 | 1.56 | 1.52 |
| 11 | 10 | 305 | CLA | OBD-CAD | 3.15 | 1.27 | 1.22 |
| 14 | 8 | 315 | A86 | C10-C11 | 3.15 | 1.43 | 1.34 |
| 13 | 12 | 317 | DD6 | C-C1 | 3.15 | 1.57 | 1.50 |
| 11 | 16 | 310 | CLA | OBD-CAD | 3.14 | 1.27 | 1.22 |
| 13 | 7 | 301 | DD6 | C35-C34 | 3.14 | 1.57 | 1.52 |
| 13 | 7 | 317 | DD6 | C35-C34 | 3.14 | 1.57 | 1.52 |
| 14 | 13 | 315 | A86 | C25-C24 | 3.14 | 1.42 | 1.34 |
| 14 | 15 | 316 | A86 | C25-C24 | 3.13 | 1.42 | 1.34 |
| 11 | 12 | 307 | CLA | C1B-NB | -3.13 | 1.32 | 1.35 |
| 13 | 8 | 316 | DD6 | O2-C18 | 3.13 | 1.52 | 1.43 |
| 12 | 12 | 311 | KC1 | C4B-NB | -3.13 | 1.33 | 1.37 |
| 11 | 8 | 304 | CLA | OBD-CAD | 3.13 | 1.27 | 1.22 |
| 12 | 14 | 308 | KC1 | C4D-ND | 3.13 | 1.38 | 1.35 |
| 14 | 15 | 315 | A86 | C25-C24 | 3.11 | 1.42 | 1.34 |
| 12 | 6 | 305 | KC1 | C4B-NB | -3.11 | 1.34 | 1.37 |
| 14 | 7 | 318 | A86 | C19-C18 | 3.11 | 1.56 | 1.52 |
| 14 | 7 | 314 | A86 | C5-C6 | 3.10 | 1.39 | 1.35 |
| 11 | 12 | 310 | CLA | OBD-CAD | 3.10 | 1.27 | 1.22 |
| 14 | 6 | 317 | A86 | C25-C24 | 3.10 | 1.42 | 1.34 |
| 14 | 14 | 314 | A86 | C25-C24 | 3.10 | 1.42 | 1.34 |
| 14 | 14 | 318 | A86 | C25-C24 | 3.09 | 1.42 | 1.34 |
| 11 | 6 | 313 | CLA | C1B-NB | -3.09 | 1.32 | 1.35 |
| 11 | 6 | 303 | CLA | OBD-CAD | 3.09 | 1.27 | 1.22 |
| 14 | 11 | 301 | A86 | C5-C6 | 3.09 | 1.39 | 1.35 |
| 14 | 10 | 317 | A86 | C25-C24 | 3.09 | 1.42 | 1.34 |
| 14 | 13 | 313 | A86 | C25-C24 | 3.09 | 1.42 | 1.34 |
| 13 | 11 | 312 | DD6 | C-C1 | 3.09 | 1.57 | 1.50 |
| 13 | 10 | 313 | DD6 | C9-C8 | 3.09 | 1.42 | 1.34 |
| 14 | 8 | 315 | A86 | C2-C1 | 3.09 | 1.39 | 1.35 |
| 12 | 8 | 312 | KC1 | C4B-NB | -3.08 | 1.34 | 1.37 |
| 11 | 15 | 303 | CLA | OBD-CAD | 3.08 | 1.27 | 1.22 |
| 12 | 10 | 310 | KC1 | C4B-NB | -3.08 | 1.34 | 1.37 |
| 13 | 7 | 313 | DD6 | C-C1 | 3.07 | 1.57 | 1.50 |
| 12 | 10 | 306 | KC1 | C4B-NB | -3.07 | 1.34 | 1.37 |
| 14 | 7 | 318 | A86 | C25-C24 | 3.07 | 1.42 | 1.34 |
| 11 | 16 | 306 | CLA | OBD-CAD | 3.07 | 1.27 | 1.22 |
| 13 | 8 | 316 | DD6 | C-C1 | 3.06 | 1.57 | 1.50 |
| 14 | 10 | 315 | A86 | C25-C24 | 3.06 | 1.42 | 1.34 |
| 13 | 13 | 314 | DD6 | C9-C8 | 3.06 | 1.42 | 1.34 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 12 | 13 | 308 | KC1 | C4B-NB | -3.05 | 1.34 | 1.37 |
| 13 | 12 | 315 | DD6 | C-C1 | 3.05 | 1.57 | 1.50 |
| 14 | 11 | 301 | A86 | C19-C18 | 3.04 | 1.56 | 1.52 |
| 12 | 13 | 306 | KC1 | C4B-NB | -3.04 | 1.34 | 1.37 |
| 12 | 8 | 310 | KC1 | C4D-ND | 3.04 | 1.37 | 1.35 |
| 14 | 14 | 319 | A86 | C25-C24 | 3.04 | 1.42 | 1.34 |
| 11 | 6 | 306 | CLA | C1B-NB | -3.03 | 1.32 | 1.35 |
| 13 | 7 | 313 | DD6 | C26-C27 | -3.03 | 1.30 | 1.37 |
| 11 | 16 | 306 | CLA | C1B-NB | -3.03 | 1.32 | 1.35 |
| 11 | 7 | 310 | CLA | C1B-NB | -3.02 | 1.32 | 1.35 |
| 14 | 14 | 316 | A86 | C25-C24 | 3.01 | 1.42 | 1.34 |
| 12 | 14 | 311 | KC1 | C4B-NB | -3.01 | 1.34 | 1.37 |
| 13 | 11 | 312 | DD6 | C9-C8 | 3.01 | 1.42 | 1.34 |
| 14 | 15 | 315 | A86 | C24-C1 | 3.01 | 1.52 | 1.45 |
| 14 | 11 | 315 | A86 | C25-C24 | 3.01 | 1.42 | 1.34 |
| 13 | 6 | 316 | DD6 | C-C1 | 3.01 | 1.57 | 1.50 |
| 13 | 6 | 316 | DD6 | C9-C8 | 3.00 | 1.42 | 1.34 |
| 14 | 16 | 312 | A86 | C25-C24 | 3.00 | 1.42 | 1.34 |
| 11 | 12 | 307 | CLA | OBD-CAD | 3.00 | 1.27 | 1.22 |
| 13 | 7 | 301 | DD6 | C9-C8 | 3.00 | 1.42 | 1.34 |
| 14 | 15 | 321 | A86 | C25-C24 | 3.00 | 1.42 | 1.34 |
| 13 | 6 | 315 | DD6 | C-C1 | 3.00 | 1.57 | 1.50 |
| 13 | 8 | 317 | DD6 | C-C1 | 3.00 | 1.57 | 1.50 |
| 14 | 8 | 318 | A86 | O-C13 | -3.00 | 1.17 | 1.23 |
| 13 | 12 | 317 | DD6 | C35-C34 | 3.00 | 1.57 | 1.52 |
| 13 | 16 | 313 | DD6 | C9-C8 | 2.99 | 1.42 | 1.34 |
| 13 | 10 | 314 | DD6 | C-C1 | 2.99 | 1.57 | 1.50 |
| 14 | 14 | 301 | A86 | C25-C24 | 2.98 | 1.42 | 1.34 |
| 14 | 10 | 317 | A86 | C14-C15 | 2.98 | 1.58 | 1.52 |
| 13 | 12 | 317 | DD6 | C9-C8 | 2.98 | 1.42 | 1.34 |
| 14 | 11 | 315 | A86 | C19-C18 | 2.97 | 1.56 | 1.52 |
| 14 | 15 | 315 | A86 | C19-C18 | 2.97 | 1.56 | 1.52 |
| 12 | 8 | 306 | KC1 | C4B-NB | -2.96 | 1.34 | 1.37 |
| 13 | 11 | 312 | DD6 | C35-C34 | 2.96 | 1.57 | 1.52 |
| 13 | 10 | 313 | DD6 | C-C1 | 2.96 | 1.57 | 1.50 |
| 12 | 10 | 310 | KC1 | CHB-C4A | -2.95 | 1.32 | 1.39 |
| 13 | 6 | 318 | DD6 | C-C1 | 2.95 | 1.57 | 1.50 |
| 11 | 10 | 307 | CLA | OBD-CAD | 2.95 | 1.27 | 1.22 |
| 14 | 15 | 315 | A86 | C14-C15 | 2.94 | 1.58 | 1.52 |
| 13 | 6 | 315 | DD6 | C35-C34 | 2.94 | 1.57 | 1.52 |
| 13 | 7 | 316 | DD6 | C9-C8 | 2.94 | 1.42 | 1.34 |
| 14 | 11 | 313 | A86 | C25-C24 | 2.94 | 1.42 | 1.34 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 12 | 6 | 309 | KC1 | C4B-NB | -2.93 | 1.34 | 1.37 |
| 11 | 8 | 302 | CLA | C1B-NB | -2.93 | 1.32 | 1.35 |
| 11 | 12 | 303 | CLA | C1B-NB | -2.93 | 1.32 | 1.35 |
| 13 | 7 | 313 | DD6 | C35-C34 | 2.93 | 1.57 | 1.52 |
| 13 | 8 | 317 | DD6 | C35-C34 | 2.93 | 1.57 | 1.52 |
| 14 | 16 | 314 | A86 | C14-C15 | 2.93 | 1.58 | 1.52 |
| 14 | 14 | 317 | A86 | C25-C24 | 2.92 | 1.42 | 1.34 |
| 12 | 14 | 306 | KC1 | C4C-C3C | 2.92 | 1.50 | 1.45 |
| 14 | 8 | 315 | A86 | C19-C18 | 2.91 | 1.56 | 1.52 |
| 12 | 10 | 312 | KC1 | CHB-C4A | -2.91 | 1.32 | 1.39 |
| 13 | 15 | 318 | DD6 | C9-C8 | 2.91 | 1.42 | 1.34 |
| 11 | 8 | 309 | CLA | C1B-NB | -2.90 | 1.32 | 1.35 |
| 13 | 13 | 314 | DD6 | C-C1 | 2.90 | 1.56 | 1.50 |
| 12 | 13 | 305 | KC1 | C4B-NB | -2.90 | 1.34 | 1.37 |
| 11 | 11 | 308 | CLA | C1B-NB | -2.90 | 1.32 | 1.35 |
| 14 | 14 | 321 | A86 | C24-C1 | 2.90 | 1.52 | 1.45 |
| 13 | 6 | 315 | DD6 | C9-C8 | 2.89 | 1.42 | 1.34 |
| 13 | 15 | 319 | DD6 | C9-C8 | 2.89 | 1.42 | 1.34 |
| 13 | 13 | 314 | DD6 | C35-C34 | 2.89 | 1.57 | 1.52 |
| 11 | 7 | 308 | CLA | OBD-CAD | 2.89 | 1.27 | 1.22 |
| 11 | 16 | 302 | CLA | OBD-CAD | 2.88 | 1.27 | 1.22 |
| 13 | 10 | 314 | DD6 | C9-C8 | 2.88 | 1.42 | 1.34 |
| 14 | 15 | 320 | A86 | C24-C1 | 2.88 | 1.52 | 1.45 |
| 11 | 8 | 302 | CLA | OBD-CAD | 2.88 | 1.27 | 1.22 |
| 12 | 8 | 312 | KC1 | C4A-C3A | 2.87 | 1.50 | 1.44 |
| 14 | 10 | 301 | A86 | C25-C24 | 2.87 | 1.42 | 1.34 |
| 12 | 8 | 314 | KC1 | C2A-C1A | 2.87 | 1.53 | 1.44 |
| 14 | 11 | 314 | A86 | C25-C24 | 2.87 | 1.42 | 1.34 |
| 14 | 16 | 314 | A86 | C25-C24 | 2.87 | 1.42 | 1.34 |
| 11 | 6 | 301 | CLA | C1B-NB | -2.86 | 1.32 | 1.35 |
| 12 | 13 | 312 | KC1 | C4B-NB | -2.86 | 1.34 | 1.37 |
| 13 | 7 | 316 | DD6 | C35-C34 | 2.86 | 1.57 | 1.52 |
| 13 | 8 | 316 | DD6 | C9-C8 | 2.85 | 1.41 | 1.34 |
| 14 | 15 | 322 | A86 | C24-C1 | 2.85 | 1.52 | 1.45 |
| 12 | 14 | 308 | KC1 | C4C-C3C | 2.85 | 1.50 | 1.45 |
| 13 | 11 | 312 | DD6 | C26-C27 | -2.85 | 1.31 | 1.37 |
| 12 | 12 | 309 | KC1 | CHB-C4A | -2.84 | 1.32 | 1.39 |
| 11 | 8 | 305 | CLA | C3D-C4D | -2.84 | 1.37 | 1.44 |
| 14 | 6 | 317 | A86 | C24-C1 | 2.84 | 1.52 | 1.45 |
| 14 | 13 | 315 | A86 | C-C1 | 2.84 | 1.56 | 1.50 |
| 13 | 16 | 313 | DD6 | C35-C34 | 2.83 | 1.57 | 1.52 |
| 13 | 7 | 316 | DD6 | C26-C27 | -2.83 | 1.31 | 1.37 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 12 | 13 | 305 | KC1 | CAA-C2A | 2.83 | 1.55 | 1.46 |
| 11 | 7 | 305 | CLA | C1B-NB | -2.83 | 1.32 | 1.35 |
| 14 | 11 | 301 | A86 | C25-C24 | 2.82 | 1.41 | 1.34 |
| 11 | 10 | 303 | CLA | C1B-NB | -2.82 | 1.32 | 1.35 |
| 12 | 7 | 312 | KC1 | CHB-C4A | -2.82 | 1.32 | 1.39 |
| 14 | 10 | 316 | A86 | C19-C18 | 2.82 | 1.56 | 1.52 |
| 14 | 7 | 315 | A86 | C19-C18 | 2.81 | 1.56 | 1.52 |
| 11 | 6 | 307 | CLA | C1B-NB | -2.81 | 1.32 | 1.35 |
| 14 | 12 | 314 | A86 | C25-C24 | 2.80 | 1.41 | 1.34 |
| 13 | 12 | 315 | DD6 | C9-C8 | 2.80 | 1.41 | 1.34 |
| 12 | 16 | 311 | KC1 | CHB-C4A | -2.80 | 1.32 | 1.39 |
| 11 | 12 | 303 | CLA | OBD-CAD | 2.80 | 1.27 | 1.22 |
| 11 | 13 | 309 | CLA | C4D-CHA | 2.80 | 1.48 | 1.38 |
| 11 | 7 | 302 | CLA | C1B-NB | -2.80 | 1.32 | 1.35 |
| 11 | 12 | 302 | CLA | C4B-NB | -2.80 | 1.32 | 1.35 |
| 11 | 7 | 303 | CLA | OBD-CAD | 2.79 | 1.27 | 1.22 |
| 12 | 16 | 311 | KC1 | C2A-C1A | 2.79 | 1.53 | 1.44 |
| 12 | 6 | 305 | KC1 | CAA-C2A | 2.79 | 1.55 | 1.46 |
| 14 | 8 | 318 | A86 | C25-C24 | 2.79 | 1.41 | 1.34 |
| 11 | 12 | 306 | CLA | C1B-NB | -2.78 | 1.32 | 1.35 |
| 14 | 10 | 315 | A86 | C24-C1 | 2.78 | 1.51 | 1.45 |
| 12 | 14 | 306 | KC1 | CHB-C4A | -2.78 | 1.32 | 1.39 |
| 14 | 15 | 322 | A86 | C-C1 | 2.77 | 1.56 | 1.50 |
| 14 | 13 | 315 | A86 | C24-C1 | 2.77 | 1.51 | 1.45 |
| 12 | 13 | 310 | KC1 | C2A-C1A | 2.77 | 1.53 | 1.44 |
| 14 | 13 | 313 | A86 | C24-C1 | 2.77 | 1.51 | 1.45 |
| 14 | 10 | 301 | A86 | O-C13 | -2.77 | 1.17 | 1.23 |
| 14 | 12 | 316 | A86 | C19-C18 | 2.77 | 1.56 | 1.52 |
| 12 | 6 | 308 | KC1 | CHB-C4A | -2.76 | 1.32 | 1.39 |
| 12 | 6 | 309 | KC1 | CHB-C4A | -2.76 | 1.32 | 1.39 |
| 11 | 8 | 301 | CLA | C1B-NB | -2.76 | 1.32 | 1.35 |
| 13 | 12 | 317 | DD6 | C26-C27 | -2.76 | 1.31 | 1.37 |
| 12 | 8 | 314 | KC1 | CHB-C4A | -2.76 | 1.32 | 1.39 |
| 14 | 14 | 321 | A86 | C-C1 | 2.76 | 1.56 | 1.50 |
| 14 | 14 | 315 | A86 | C25-C24 | 2.76 | 1.41 | 1.34 |
| 13 | 8 | 317 | DD6 | C9-C8 | 2.75 | 1.41 | 1.34 |
| 12 | 8 | 313 | KC1 | CHB-C4A | -2.75 | 1.32 | 1.39 |
| 14 | 11 | 301 | A86 | O-C13 | -2.75 | 1.17 | 1.23 |
| 14 | 15 | 316 | A86 | C24-C1 | 2.75 | 1.51 | 1.45 |
| 14 | 7 | 315 | A86 | C5-C6 | 2.75 | 1.39 | 1.35 |
| 14 | 13 | 313 | A86 | C-C1 | 2.75 | 1.56 | 1.50 |
| 14 | 7 | 314 | A86 | C25-C24 | 2.74 | 1.41 | 1.34 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 14 | 10 | 316 | A86 | C25-C24 | 2.74 | 1.41 | 1.34 |
| 12 | 16 | 304 | KC1 | C4A-C3A | 2.74 | 1.49 | 1.44 |
| 14 | 15 | 320 | A86 | C-C1 | 2.74 | 1.56 | 1.50 |
| 14 | 14 | 320 | A86 | C-C1 | 2.74 | 1.56 | 1.50 |
| 14 | 7 | 315 | A86 | O-C13 | -2.73 | 1.17 | 1.23 |
| 12 | 12 | 313 | KC1 | CAA-C2A | 2.73 | 1.55 | 1.46 |
| 11 | 15 | 312 | CLA | C1B-NB | -2.73 | 1.32 | 1.35 |
| 11 | 10 | 308 | CLA | C1B-NB | -2.73 | 1.32 | 1.35 |
| 11 | 12 | 302 | CLA | C1B-NB | -2.72 | 1.32 | 1.35 |
| 14 | 14 | 320 | A86 | C24-C1 | 2.72 | 1.51 | 1.45 |
| 11 | 14 | 307 | CLA | C4C-C3C | 2.72 | 1.49 | 1.45 |
| 14 | 14 | 316 | A86 | C19-C18 | 2.71 | 1.56 | 1.52 |
| 11 | 8 | 308 | CLA | C1B-NB | -2.71 | 1.32 | 1.35 |
| 14 | 7 | 314 | A86 | C19-C18 | 2.71 | 1.56 | 1.52 |
| 13 | 10 | 314 | DD6 | C26-C27 | -2.71 | 1.31 | 1.37 |
| 14 | 10 | 315 | A86 | C-C1 | 2.71 | 1.56 | 1.50 |
| 11 | 13 | 307 | CLA | C4D-CHA | 2.71 | 1.48 | 1.38 |
| 11 | 15 | 306 | CLA | C4D-CHA | 2.70 | 1.48 | 1.38 |
| 13 | 7 | 313 | DD6 | C9-C8 | 2.70 | 1.41 | 1.34 |
| 14 | 10 | 316 | A86 | C14-C15 | 2.70 | 1.58 | 1.52 |
| 14 | 15 | 316 | A86 | C14-C15 | 2.70 | 1.58 | 1.52 |
| 14 | 15 | 317 | A86 | C24-C1 | 2.70 | 1.51 | 1.45 |
| 11 | 15 | 308 | CLA | C4D-CHA | 2.70 | 1.48 | 1.38 |
| 12 | 12 | 311 | KC1 | CHB-C4A | -2.70 | 1.33 | 1.39 |
| 11 | 8 | 305 | CLA | C4B-NB | -2.70 | 1.32 | 1.35 |
| 14 | 7 | 314 | A86 | O-C13 | -2.70 | 1.17 | 1.23 |
| 11 | 8 | 304 | CLA | C1B-NB | -2.69 | 1.32 | 1.35 |
| 11 | 7 | 308 | CLA | C1B-NB | -2.69 | 1.32 | 1.35 |
| 14 | 10 | 316 | A86 | O-C13 | -2.69 | 1.17 | 1.23 |
| 11 | 13 | 304 | CLA | C4D-CHA | 2.69 | 1.48 | 1.38 |
| 12 | 6 | 305 | KC1 | CHB-C4A | -2.69 | 1.33 | 1.39 |
| 11 | 14 | 303 | CLA | C4D-CHA | 2.69 | 1.48 | 1.38 |
| 11 | 15 | 303 | CLA | C4D-CHA | 2.69 | 1.48 | 1.38 |
| 12 | 14 | 308 | KC1 | C4B-NB | -2.68 | 1.34 | 1.37 |
| 13 | 7 | 317 | DD6 | C9-C8 | 2.68 | 1.41 | 1.34 |
| 14 | 12 | 316 | A86 | C24-C1 | 2.68 | 1.51 | 1.45 |
| 12 | 13 | 312 | KC1 | C4A-C3A | 2.68 | 1.49 | 1.44 |
| 14 | 7 | 318 | A86 | C14-C15 | 2.68 | 1.58 | 1.52 |
| 14 | 7 | 318 | A86 | O-C13 | -2.68 | 1.17 | 1.23 |
| 11 | 8 | 305 | CLA | OBD-CAD | 2.68 | 1.27 | 1.22 |
| 11 | 6 | 314 | CLA | C4D-CHA | 2.68 | 1.47 | 1.38 |
| 12 | 14 | 311 | KC1 | C2A-C1A | 2.68 | 1.52 | 1.44 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 13 | 6 | 318 | DD6 | C26-C27 | -2.68 | 1.31 | 1.37 |
| 11 | 7 | 303 | CLA | C1B-NB | -2.67 | 1.32 | 1.35 |
| 11 | 10 | 307 | CLA | C1B-NB | -2.67 | 1.32 | 1.35 |
| 14 | 10 | 301 | A86 | C5-C6 | 2.67 | 1.39 | 1.35 |
| 14 | 15 | 315 | A86 | C-C1 | 2.67 | 1.56 | 1.50 |
| 12 | 14 | 306 | KC1 | C3B-C4B | 2.67 | 1.50 | 1.46 |
| 11 | 15 | 311 | CLA | C4D-CHA | 2.67 | 1.47 | 1.38 |
| 12 | 11 | 311 | KC1 | C2A-C1A | 2.67 | 1.52 | 1.44 |
| 12 | 6 | 305 | KC1 | C2A-C1A | 2.67 | 1.52 | 1.44 |
| 14 | 8 | 315 | A86 | O-C13 | -2.67 | 1.17 | 1.23 |
| 11 | 14 | 309 | CLA | C4D-CHA | 2.67 | 1.47 | 1.38 |
| 11 | 6 | 312 | CLA | C4D-CHA | 2.66 | 1.47 | 1.38 |
| 11 | 12 | 321 | CLA | C4D-CHA | 2.66 | 1.47 | 1.38 |
| 11 | 13 | 307 | CLA | C1B-NB | -2.66 | 1.32 | 1.35 |
| 14 | 10 | 301 | A86 | C-C1 | 2.66 | 1.56 | 1.50 |
| 14 | 7 | 318 | A86 | C24-C1 | 2.66 | 1.51 | 1.45 |
| 14 | 15 | 316 | A86 | C-C1 | 2.66 | 1.56 | 1.50 |
| 14 | 6 | 317 | A86 | O-C13 | -2.66 | 1.17 | 1.23 |
| 12 | 16 | 304 | KC1 | CHB-C4A | -2.66 | 1.33 | 1.39 |
| 11 | 8 | 302 | CLA | C4B-NB | -2.66 | 1.32 | 1.35 |
| 14 | 15 | 317 | A86 | C-C1 | 2.66 | 1.56 | 1.50 |
| 14 | 15 | 321 | A86 | C-C1 | 2.66 | 1.56 | 1.50 |
| 12 | 13 | 308 | KC1 | CHB-C4A | -2.66 | 1.33 | 1.39 |
| 11 | 15 | 309 | CLA | C4D-CHA | 2.66 | 1.47 | 1.38 |
| 13 | 6 | 315 | DD6 | C26-C27 | -2.65 | 1.31 | 1.37 |
| 11 | 15 | 305 | CLA | C4D-CHA | 2.65 | 1.47 | 1.38 |
| 14 | 8 | 318 | A86 | C-C1 | 2.65 | 1.56 | 1.50 |
| 12 | 12 | 309 | KC1 | C2A-C1A | 2.65 | 1.52 | 1.44 |
| 12 | 13 | 311 | KC1 | C2A-C1A | 2.65 | 1.52 | 1.44 |
| 13 | 7 | 317 | DD6 | C26-C27 | -2.64 | 1.31 | 1.37 |
| 12 | 14 | 308 | KC1 | C4A-C3A | 2.64 | 1.49 | 1.44 |
| 12 | 8 | 306 | KC1 | CHB-C4A | -2.64 | 1.33 | 1.39 |
| 14 | 14 | 318 | A86 | C24-C1 | 2.64 | 1.51 | 1.45 |
| 11 | 6 | 302 | CLA | C1B-NB | -2.64 | 1.32 | 1.35 |
| 14 | 15 | 320 | A86 | C14-C15 | 2.64 | 1.57 | 1.52 |
| 14 | 14 | 316 | A86 | C-C1 | 2.64 | 1.56 | 1.50 |
| 11 | 16 | 307 | CLA | C4D-CHA | 2.64 | 1.47 | 1.38 |
| 14 | 10 | 317 | A86 | C24-C1 | 2.64 | 1.51 | 1.45 |
| 13 | 8 | 316 | DD6 | C26-C27 | -2.64 | 1.31 | 1.37 |
| 14 | 14 | 318 | A86 | C-C1 | 2.63 | 1.56 | 1.50 |
| 11 | 15 | 310 | CLA | C4D-CHA | 2.63 | 1.47 | 1.38 |
| 14 | 10 | 301 | A86 | C24-C1 | 2.63 | 1.51 | 1.45 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 14 | 305 | CLA | C4D-CHA | 2.63 | 1.47 | 1.38 |
| 14 | 16 | 314 | A86 | O-C13 | -2.63 | 1.17 | 1.23 |
| 11 | 7 | 309 | CLA | C1B-NB | -2.63 | 1.32 | 1.35 |
| 11 | 16 | 310 | CLA | C3D-C4D | -2.63 | 1.38 | 1.44 |
| 11 | 8 | 308 | CLA | C4D-CHA | 2.63 | 1.47 | 1.38 |
| 14 | 14 | 317 | A86 | O-C13 | -2.62 | 1.17 | 1.23 |
| 12 | 11 | 306 | KC1 | CHB-C4A | -2.62 | 1.33 | 1.39 |
| 11 | 6 | 302 | CLA | C3D-C4D | -2.62 | 1.38 | 1.44 |
| 11 | 10 | 303 | CLA | C4D-CHA | 2.62 | 1.47 | 1.38 |
| 12 | 8 | 311 | KC1 | CHB-C4A | -2.62 | 1.33 | 1.39 |
| 16 | 8 | 323 | LMG | C3-C2 | 2.62 | 1.59 | 1.52 |
| 12 | 11 | 311 | KC1 | C4A-C3A | 2.62 | 1.49 | 1.44 |
| 11 | 10 | 305 | CLA | C3D-C4D | -2.62 | 1.38 | 1.44 |
| 11 | 16 | 309 | CLA | C4D-CHA | 2.62 | 1.47 | 1.38 |
| 11 | 16 | 310 | CLA | O1D-CGD | 2.62 | 1.27 | 1.21 |
| 14 | 6 | 317 | A86 | C-C1 | 2.62 | 1.56 | 1.50 |
| 14 | 14 | 314 | A86 | O-C13 | -2.61 | 1.17 | 1.23 |
| 12 | 8 | 314 | KC1 | C4A-C3A | 2.61 | 1.49 | 1.44 |
| 11 | 16 | 306 | CLA | C3D-C4D | -2.61 | 1.38 | 1.44 |
| 11 | 11 | 309 | CLA | C4D-CHA | 2.61 | 1.47 | 1.38 |
| 12 | 14 | 311 | KC1 | C4A-C3A | 2.61 | 1.49 | 1.44 |
| 11 | 13 | 302 | CLA | C4D-CHA | 2.61 | 1.47 | 1.38 |
| 14 | 14 | 301 | A86 | C24-C1 | 2.61 | 1.51 | 1.45 |
| 11 | 16 | 305 | CLA | C4D-CHA | 2.61 | 1.47 | 1.38 |
| 12 | 16 | 311 | KC1 | C4A-C3A | 2.61 | 1.49 | 1.44 |
| 11 | 15 | 304 | CLA | C4D-CHA | 2.61 | 1.47 | 1.38 |
| 11 | 12 | 302 | CLA | C1C-NC | -2.61 | 1.33 | 1.37 |
| 11 | 14 | 312 | CLA | C4D-CHA | 2.61 | 1.47 | 1.38 |
| 12 | 7 | 307 | KC1 | CHB-C4A | -2.61 | 1.33 | 1.39 |
| 16 | 8 | 321 | LMG | O8-C9 | -2.60 | 1.39 | 1.45 |
| 12 | 14 | 306 | KC1 | C4A-C3A | 2.60 | 1.49 | 1.44 |
| 14 | 7 | 314 | A86 | C-C1 | 2.60 | 1.56 | 1.50 |
| 12 | 8 | 310 | KC1 | CHB-C4A | -2.60 | 1.33 | 1.39 |
| 12 | 13 | 310 | KC1 | C4A-C3A | 2.60 | 1.49 | 1.44 |
| 12 | 11 | 311 | KC1 | CHB-C4A | -2.60 | 1.33 | 1.39 |
| 13 | 7 | 301 | DD6 | C26-C27 | -2.60 | 1.31 | 1.37 |
| 11 | 6 | 307 | CLA | C4D-CHA | 2.60 | 1.47 | 1.38 |
| 12 | 13 | 308 | KC1 | C4A-C3A | 2.60 | 1.49 | 1.44 |
| 14 | 13 | 315 | A86 | C14-C15 | 2.60 | 1.57 | 1.52 |
| 11 | 8 | 303 | CLA | C3D-C4D | -2.60 | 1.38 | 1.44 |
| 11 | 14 | 310 | CLA | C4D-CHA | 2.60 | 1.47 | 1.38 |
| 11 | 15 | 308 | CLA | C4C-C3C | 2.59 | 1.49 | 1.45 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 12 | 14 | 306 | KC1 | C4B-NB | -2.59 | 1.34 | 1.37 |
| 11 | 15 | 313 | CLA | C4D-CHA | 2.59 | 1.47 | 1.38 |
| 14 | 12 | 316 | A86 | C-C1 | 2.59 | 1.56 | 1.50 |
| 14 | 16 | 314 | A86 | C-C1 | 2.59 | 1.56 | 1.50 |
| 13 | 6 | 318 | DD6 | C9-C8 | 2.59 | 1.41 | 1.34 |
| 12 | 13 | 312 | KC1 | C2A-C1A | 2.59 | 1.52 | 1.44 |
| 12 | 11 | 304 | KC1 | CHB-C4A | -2.59 | 1.33 | 1.39 |
| 11 | 6 | 311 | CLA | C1B-NB | -2.59 | 1.32 | 1.35 |
| 12 | 13 | 306 | KC1 | C4A-C3A | 2.59 | 1.49 | 1.44 |
| 11 | 6 | 313 | CLA | C4D-CHA | 2.59 | 1.47 | 1.38 |
| 14 | 10 | 316 | A86 | C-C1 | 2.59 | 1.56 | 1.50 |
| 14 | 15 | 322 | A86 | O-C13 | -2.59 | 1.17 | 1.23 |
| 11 | 12 | 307 | CLA | C3D-C4D | -2.58 | 1.38 | 1.44 |
| 11 | 12 | 303 | CLA | C4D-CHA | 2.58 | 1.47 | 1.38 |
| 12 | 11 | 310 | KC1 | C4A-C3A | 2.58 | 1.49 | 1.44 |
| 11 | 8 | 301 | CLA | C1C-NC | -2.58 | 1.34 | 1.37 |
| 12 | 16 | 304 | KC1 | C2A-C1A | 2.58 | 1.52 | 1.44 |
| 11 | 10 | 307 | CLA | C4D-CHA | 2.58 | 1.47 | 1.38 |
| 14 | 6 | 317 | A86 | O1-C15 | 2.58 | 1.50 | 1.45 |
| 14 | 10 | 302 | A86 | O-C13 | -2.58 | 1.17 | 1.23 |
| 13 | 12 | 315 | DD6 | C26-C27 | -2.58 | 1.31 | 1.37 |
| 13 | 10 | 313 | DD6 | C35-C34 | 2.58 | 1.56 | 1.52 |
| 11 | 10 | 304 | CLA | C4D-CHA | 2.58 | 1.47 | 1.38 |
| 11 | 15 | 307 | CLA | C4D-CHA | 2.58 | 1.47 | 1.38 |
| 14 | 12 | 316 | A86 | O-C13 | -2.57 | 1.17 | 1.23 |
| 14 | 11 | 301 | A86 | C-C1 | 2.57 | 1.56 | 1.50 |
| 14 | 8 | 315 | A86 | C25-C24 | 2.57 | 1.41 | 1.34 |
| 13 | 8 | 316 | DD6 | C35-C34 | 2.57 | 1.56 | 1.52 |
| 14 | 10 | 302 | A86 | C14-C15 | 2.57 | 1.57 | 1.52 |
| 13 | 6 | 316 | DD6 | C26-C27 | -2.57 | 1.31 | 1.37 |
| 14 | 14 | 316 | A86 | O-C13 | -2.57 | 1.17 | 1.23 |
| 11 | 6 | 306 | CLA | C4D-CHA | 2.57 | 1.47 | 1.38 |
| 14 | 14 | 317 | A86 | C24-C1 | 2.57 | 1.51 | 1.45 |
| 11 | 16 | 308 | CLA | C4D-CHA | 2.57 | 1.47 | 1.38 |
| 13 | 12 | 315 | DD6 | C35-C34 | 2.57 | 1.56 | 1.52 |
| 11 | 15 | 312 | CLA | C4D-CHA | 2.57 | 1.47 | 1.38 |
| 11 | 7 | 306 | CLA | C1B-NB | -2.57 | 1.32 | 1.35 |
| 11 | 16 | 301 | CLA | C4D-CHA | 2.57 | 1.47 | 1.38 |
| 14 | 11 | 313 | A86 | C14-C15 | 2.57 | 1.57 | 1.52 |
| 14 | 7 | 315 | A86 | C25-C24 | 2.56 | 1.41 | 1.34 |
| 11 | 10 | 304 | CLA | C1B-NB | -2.56 | 1.32 | 1.35 |
| 11 | 11 | 308 | CLA | C3D-C4D | -2.56 | 1.38 | 1.44 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 7 | 310 | CLA | C4D-CHA | 2.56 | 1.47 | 1.38 |
| 12 | 11 | 306 | KC1 | C4A-C3A | 2.56 | 1.49 | 1.44 |
| 11 | 13 | 301 | CLA | C4D-CHA | 2.56 | 1.47 | 1.38 |
| 11 | 12 | 306 | CLA | C4D-CHA | 2.56 | 1.47 | 1.38 |
| 11 | 8 | 302 | CLA | C3D-C4D | -2.55 | 1.38 | 1.44 |
| 14 | 10 | 302 | A86 | C24-C1 | 2.55 | 1.51 | 1.45 |
| 12 | 6 | 310 | KC1 | CHB-C4A | -2.55 | 1.33 | 1.39 |
| 13 | 13 | 314 | DD6 | C26-C27 | -2.55 | 1.31 | 1.37 |
| 11 | 6 | 311 | CLA | C3D-C4D | -2.55 | 1.38 | 1.44 |
| 11 | 14 | 305 | CLA | C1B-NB | -2.55 | 1.32 | 1.35 |
| 11 | 7 | 309 | CLA | C4D-CHA | 2.55 | 1.47 | 1.38 |
| 11 | 6 | 301 | CLA | C4D-CHA | 2.55 | 1.47 | 1.38 |
| 12 | 8 | 307 | KC1 | CHB-C4A | -2.55 | 1.33 | 1.39 |
| 12 | 13 | 311 | KC1 | C4B-NB | -2.55 | 1.34 | 1.37 |
| 11 | 13 | 303 | CLA | C4D-CHA | 2.55 | 1.47 | 1.38 |
| 14 | 7 | 314 | A86 | O4-C34 | -2.55 | 1.40 | 1.46 |
| 11 | 6 | 304 | CLA | C4D-CHA | 2.55 | 1.47 | 1.38 |
| 11 | 7 | 303 | CLA | C4D-CHA | 2.55 | 1.47 | 1.38 |
| 11 | 11 | 307 | CLA | C4D-CHA | 2.55 | 1.47 | 1.38 |
| 11 | 7 | 305 | CLA | C4D-CHA | 2.54 | 1.47 | 1.38 |
| 11 | 16 | 302 | CLA | C4D-CHA | 2.54 | 1.47 | 1.38 |
| 11 | 10 | 311 | CLA | C4D-CHA | 2.54 | 1.47 | 1.38 |
| 11 | 8 | 309 | CLA | C4D-CHA | 2.54 | 1.47 | 1.38 |
| 13 | 6 | 316 | DD6 | C4-C5 | 2.54 | 1.51 | 1.43 |
| 12 | 6 | 310 | KC1 | C4A-C3A | 2.54 | 1.49 | 1.44 |
| 14 | 14 | 301 | A86 | C-C1 | 2.54 | 1.56 | 1.50 |
| 11 | 15 | 305 | CLA | C4C-C3C | 2.54 | 1.49 | 1.45 |
| 12 | 12 | 305 | KC1 | C2A-C1A | 2.54 | 1.52 | 1.44 |
| 14 | 7 | 315 | A86 | C-C1 | 2.54 | 1.56 | 1.50 |
| 14 | 14 | 320 | A86 | O-C13 | -2.54 | 1.18 | 1.23 |
| 11 | 13 | 301 | CLA | C1B-NB | -2.53 | 1.32 | 1.35 |
| 12 | 13 | 310 | KC1 | CHB-C4A | -2.53 | 1.33 | 1.39 |
| 11 | 6 | 302 | CLA | C4D-CHA | 2.53 | 1.47 | 1.38 |
| 11 | 7 | 308 | CLA | C3D-C4D | -2.53 | 1.38 | 1.44 |
| 13 | 10 | 313 | DD6 | C26-C27 | -2.53 | 1.31 | 1.37 |
| 11 | 7 | 311 | CLA | C4D-CHA | 2.53 | 1.47 | 1.38 |
| 14 | 14 | 319 | A86 | O-C13 | -2.53 | 1.18 | 1.23 |
| 14 | 15 | 321 | A86 | C14-C15 | 2.53 | 1.57 | 1.52 |
| 11 | 6 | 303 | CLA | C4D-CHA | 2.53 | 1.47 | 1.38 |
| 12 | 11 | 306 | KC1 | C2A-C1A | 2.53 | 1.52 | 1.44 |
| 14 | 12 | 314 | A86 | O-C13 | -2.53 | 1.18 | 1.23 |
| 14 | 16 | 312 | A86 | O-C13 | -2.52 | 1.18 | 1.23 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 14 | 15 | 321 | A86 | C24-C1 | 2.52 | 1.51 | 1.45 |
| 12 | 12 | 311 | KC1 | C2A-C1A | 2.52 | 1.52 | 1.44 |
| 11 | 12 | 307 | CLA | C4B-CHC | 2.52 | 1.48 | 1.41 |
| 11 | 12 | 310 | CLA | C3D-C4D | -2.52 | 1.38 | 1.44 |
| 11 | 7 | 304 | CLA | C1B-NB | -2.52 | 1.33 | 1.35 |
| 11 | 15 | 314 | CLA | C4D-CHA | 2.52 | 1.47 | 1.38 |
| 14 | 11 | 315 | A86 | O-C13 | -2.51 | 1.18 | 1.23 |
| 12 | 12 | 311 | KC1 | CAA-C2A | 2.51 | 1.54 | 1.46 |
| 11 | 6 | 313 | CLA | C3D-C4D | -2.51 | 1.38 | 1.44 |
| 14 | 11 | 314 | A86 | C-C1 | 2.51 | 1.56 | 1.50 |
| 11 | 16 | 302 | CLA | C3D-C4D | -2.51 | 1.38 | 1.44 |
| 11 | 7 | 302 | CLA | C3D-C4D | -2.51 | 1.38 | 1.44 |
| 11 | 12 | 303 | CLA | C3D-C4D | -2.51 | 1.38 | 1.44 |
| 12 | 12 | 309 | KC1 | C4A-C3A | 2.51 | 1.49 | 1.44 |
| 14 | 10 | 317 | A86 | O-C13 | -2.51 | 1.18 | 1.23 |
| 11 | 7 | 306 | CLA | C3D-C4D | -2.51 | 1.38 | 1.44 |
| 11 | 16 | 308 | CLA | C4C-C3C | 2.51 | 1.49 | 1.45 |
| 13 | 15 | 318 | DD6 | C26-C27 | -2.51 | 1.31 | 1.37 |
| 12 | 13 | 308 | KC1 | C2A-C1A | 2.51 | 1.52 | 1.44 |
| 11 | 14 | 304 | CLA | C4D-CHA | 2.50 | 1.47 | 1.38 |
| 11 | 6 | 301 | CLA | C3D-C4D | -2.50 | 1.38 | 1.44 |
| 14 | 10 | 317 | A86 | C-C1 | 2.50 | 1.56 | 1.50 |
| 14 | 14 | 316 | A86 | C24-C1 | 2.50 | 1.51 | 1.45 |
| 14 | 14 | 321 | A86 | O-C13 | -2.50 | 1.18 | 1.23 |
| 13 | 10 | 314 | DD6 | C35-C34 | 2.50 | 1.56 | 1.52 |
| 11 | 8 | 309 | CLA | C3D-C4D | -2.50 | 1.38 | 1.44 |
| 12 | 13 | 310 | KC1 | C1C-C2C | 2.49 | 1.49 | 1.44 |
| 12 | 12 | 305 | KC1 | CHB-C4A | -2.49 | 1.33 | 1.39 |
| 12 | 10 | 306 | KC1 | CHB-C4A | -2.49 | 1.33 | 1.39 |
| 11 | 12 | 308 | CLA | C1B-NB | -2.49 | 1.33 | 1.35 |
| 11 | 13 | 309 | CLA | C4C-C3C | 2.49 | 1.49 | 1.45 |
| 11 | 12 | 304 | CLA | C4D-CHA | 2.49 | 1.47 | 1.38 |
| 14 | 11 | 314 | A86 | O-C13 | -2.49 | 1.18 | 1.23 |
| 12 | 8 | 311 | KC1 | CAA-C2A | 2.49 | 1.54 | 1.46 |
| 11 | 7 | 310 | CLA | C3D-C4D | -2.49 | 1.38 | 1.44 |
| 11 | 10 | 308 | CLA | C3D-C4D | -2.49 | 1.38 | 1.44 |
| 11 | 7 | 308 | CLA | C4D-CHA | 2.49 | 1.47 | 1.38 |
| 13 | 6 | 316 | DD6 | C22-C16 | -2.49 | 1.49 | 1.53 |
| 11 | 16 | 310 | CLA | C4D-CHA | 2.49 | 1.47 | 1.38 |
| 11 | 15 | 302 | CLA | C4B-CHC | 2.48 | 1.47 | 1.41 |
| 11 | 7 | 306 | CLA | C4D-CHA | 2.48 | 1.47 | 1.38 |
| 14 | 11 | 313 | A86 | O-C13 | -2.48 | 1.18 | 1.23 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 11 | 305 | CLA | C3D-C4D | -2.48 | 1.38 | 1.44 |
| 14 | 14 | 318 | A86 | C14-C15 | 2.48 | 1.57 | 1.52 |
| 11 | 12 | 303 | CLA | C4B-NB | -2.48 | 1.33 | 1.35 |
| 11 | 6 | 306 | CLA | C3D-C4D | -2.48 | 1.38 | 1.44 |
| 12 | 12 | 305 | KC1 | C4A-C3A | 2.48 | 1.49 | 1.44 |
| 14 | 14 | 315 | A86 | O-C13 | -2.48 | 1.18 | 1.23 |
| 12 | 14 | 308 | KC1 | CHB-C4A | -2.48 | 1.33 | 1.39 |
| 11 | 12 | 308 | CLA | C4D-CHA | 2.48 | 1.47 | 1.38 |
| 14 | 14 | 315 | A86 | C-C1 | 2.48 | 1.56 | 1.50 |
| 12 | 13 | 312 | KC1 | CAA-C2A | 2.48 | 1.54 | 1.46 |
| 13 | 13 | 314 | DD6 | C4-C5 | 2.47 | 1.51 | 1.43 |
| 12 | 11 | 310 | KC1 | CHB-C4A | -2.47 | 1.33 | 1.39 |
| 14 | 12 | 314 | A86 | C-C1 | 2.47 | 1.56 | 1.50 |
| 12 | 16 | 304 | KC1 | C4C-C3C | 2.47 | 1.49 | 1.45 |
| 11 | 10 | 304 | CLA | C3D-C4D | -2.47 | 1.38 | 1.44 |
| 12 | 13 | 306 | KC1 | CHB-C4A | -2.47 | 1.33 | 1.39 |
| 12 | 7 | 307 | KC1 | C4A-C3A | 2.47 | 1.49 | 1.44 |
| 12 | 14 | 308 | KC1 | C2A-C1A | 2.47 | 1.52 | 1.44 |
| 11 | 12 | 310 | CLA | C4D-CHA | 2.47 | 1.47 | 1.38 |
| 14 | 14 | 317 | A86 | C-C1 | 2.47 | 1.56 | 1.50 |
| 14 | 8 | 318 | A86 | C14-C15 | 2.47 | 1.57 | 1.52 |
| 11 | 12 | 312 | CLA | C4D-CHA | 2.47 | 1.47 | 1.38 |
| 12 | 13 | 305 | KC1 | CHB-C4A | -2.47 | 1.33 | 1.39 |
| 13 | 7 | 301 | DD6 | C22-C16 | -2.47 | 1.49 | 1.53 |
| 11 | 10 | 305 | CLA | C4D-CHA | 2.47 | 1.47 | 1.38 |
| 14 | 14 | 318 | A86 | O-C13 | -2.47 | 1.18 | 1.23 |
| 11 | 14 | 302 | CLA | C4D-CHA | 2.47 | 1.47 | 1.38 |
| 11 | 15 | 302 | CLA | C1B-NB | -2.47 | 1.33 | 1.35 |
| 11 | 11 | 303 | CLA | C3D-C4D | -2.46 | 1.38 | 1.44 |
| 13 | 6 | 316 | DD6 | C35-C34 | 2.46 | 1.56 | 1.52 |
| 14 | 15 | 316 | A86 | O-C13 | -2.46 | 1.18 | 1.23 |
| 14 | 14 | 320 | A86 | C14-C15 | 2.46 | 1.57 | 1.52 |
| 14 | 14 | 319 | A86 | C-C1 | 2.46 | 1.56 | 1.50 |
| 14 | 10 | 315 | A86 | C14-C15 | 2.46 | 1.57 | 1.52 |
| 13 | 15 | 318 | DD6 | C22-C16 | -2.46 | 1.49 | 1.53 |
| 11 | 14 | 307 | CLA | C4B-CHC | 2.46 | 1.47 | 1.41 |
| 11 | 6 | 311 | CLA | C4D-CHA | 2.46 | 1.47 | 1.38 |
| 14 | 11 | 314 | A86 | C24-C1 | 2.46 | 1.51 | 1.45 |
| 11 | 15 | 302 | CLA | C4D-CHA | 2.46 | 1.47 | 1.38 |
| 14 | 10 | 302 | A86 | C-C1 | 2.46 | 1.56 | 1.50 |
| 11 | 12 | 321 | CLA | C1B-NB | -2.46 | 1.33 | 1.35 |
| 11 | 12 | 312 | CLA | C3D-C4D | -2.46 | 1.38 | 1.44 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 8 | 303 | CLA | C4D-CHA | 2.46 | 1.47 | 1.38 |
| 11 | 11 | 305 | CLA | C4D-CHA | 2.46 | 1.47 | 1.38 |
| 11 | 15 | 307 | CLA | C1B-NB | -2.45 | 1.33 | 1.35 |
| 13 | 7 | 317 | DD6 | C4-C5 | 2.45 | 1.51 | 1.43 |
| 11 | 7 | 304 | CLA | C4D-CHA | 2.45 | 1.47 | 1.38 |
| 11 | 8 | 304 | CLA | C4D-CHA | 2.45 | 1.47 | 1.38 |
| 14 | 15 | 320 | A86 | O-C13 | -2.45 | 1.18 | 1.23 |
| 11 | 14 | 307 | CLA | C4D-CHA | 2.45 | 1.47 | 1.38 |
| 11 | 8 | 305 | CLA | C1B-NB | -2.45 | 1.33 | 1.35 |
| 13 | 16 | 313 | DD6 | C26-C27 | -2.45 | 1.31 | 1.37 |
| 14 | 13 | 313 | A86 | O-C13 | -2.45 | 1.18 | 1.23 |
| 11 | 10 | 309 | CLA | C4D-CHA | 2.45 | 1.47 | 1.38 |
| 12 | 12 | 313 | KC1 | C2A-C1A | 2.45 | 1.52 | 1.44 |
| 11 | 8 | 302 | CLA | C4D-CHA | 2.45 | 1.47 | 1.38 |
| 11 | 6 | 304 | CLA | C3D-C4D | -2.45 | 1.38 | 1.44 |
| 13 | 16 | 313 | DD6 | C4-C5 | 2.45 | 1.51 | 1.43 |
| 13 | 8 | 317 | DD6 | C26-C27 | -2.45 | 1.31 | 1.37 |
| 11 | 8 | 308 | CLA | C3D-C4D | -2.44 | 1.38 | 1.44 |
| 11 | 8 | 305 | CLA | C4D-CHA | 2.44 | 1.47 | 1.38 |
| 11 | 14 | 309 | CLA | C4C-C3C | 2.44 | 1.49 | 1.45 |
| 11 | 7 | 303 | CLA | C3D-C4D | -2.44 | 1.38 | 1.44 |
| 11 | 7 | 309 | CLA | C3D-C4D | -2.44 | 1.38 | 1.44 |
| 11 | 12 | 304 | CLA | C3D-C4D | -2.44 | 1.38 | 1.44 |
| 11 | 7 | 305 | CLA | C1C-NC | -2.44 | 1.34 | 1.37 |
| 11 | 13 | 304 | CLA | C4C-C3C | 2.44 | 1.49 | 1.45 |
| 11 | 12 | 307 | CLA | C4D-CHA | 2.44 | 1.47 | 1.38 |
| 11 | 10 | 308 | CLA | C4D-CHA | 2.44 | 1.47 | 1.38 |
| 12 | 13 | 312 | KC1 | CHB-C4A | -2.44 | 1.33 | 1.39 |
| 14 | 10 | 315 | A86 | O-C13 | -2.44 | 1.18 | 1.23 |
| 14 | 14 | 319 | A86 | C24-C1 | 2.44 | 1.51 | 1.45 |
| 12 | 6 | 309 | KC1 | C3B-C4B | 2.43 | 1.50 | 1.46 |
| 12 | 11 | 304 | KC1 | C4A-C3A | 2.43 | 1.49 | 1.44 |
| 13 | 15 | 319 | DD6 | C26-C27 | -2.43 | 1.31 | 1.37 |
| 11 | 6 | 312 | CLA | C4C-C3C | 2.43 | 1.49 | 1.45 |
| 11 | 11 | 303 | CLA | C4D-CHA | 2.43 | 1.47 | 1.38 |
| 12 | 13 | 305 | KC1 | C2A-C1A | 2.43 | 1.52 | 1.44 |
| 14 | 7 | 315 | A86 | C14-C15 | 2.43 | 1.57 | 1.52 |
| 12 | 13 | 311 | KC1 | C4C-C3C | 2.43 | 1.49 | 1.45 |
| 11 | 12 | 304 | CLA | C4B-NB | -2.43 | 1.33 | 1.35 |
| 11 | 11 | 307 | CLA | C1B-NB | -2.43 | 1.33 | 1.35 |
| 11 | 10 | 308 | CLA | C4B-CHC | 2.43 | 1.47 | 1.41 |
| 13 | 6 | 315 | DD6 | C4-C5 | 2.43 | 1.51 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 8 | 301 | CLA | C4D-CHA | 2.42 | 1.47 | 1.38 |
| 12 | 11 | 310 | KC1 | C2A-C1A | 2.42 | 1.52 | 1.44 |
| 12 | 6 | 309 | KC1 | C4A-C3A | 2.42 | 1.49 | 1.44 |
| 11 | 14 | 302 | CLA | C3D-C4D | -2.42 | 1.38 | 1.44 |
| 11 | 12 | 302 | CLA | C3D-C4D | -2.42 | 1.38 | 1.44 |
| 12 | 10 | 310 | KC1 | C3B-C4B | 2.42 | 1.50 | 1.46 |
| 11 | 7 | 311 | CLA | C3D-C4D | -2.42 | 1.38 | 1.44 |
| 14 | 7 | 314 | A86 | C24-C1 | 2.42 | 1.51 | 1.45 |
| 12 | 14 | 311 | KC1 | CHB-C4A | -2.42 | 1.33 | 1.39 |
| 14 | 11 | 315 | A86 | C24-C1 | 2.42 | 1.51 | 1.45 |
| 12 | 13 | 306 | KC1 | C2A-C1A | 2.42 | 1.52 | 1.44 |
| 12 | 8 | 312 | KC1 | CHB-C4A | -2.41 | 1.33 | 1.39 |
| 11 | 14 | 313 | CLA | C3D-C4D | -2.41 | 1.38 | 1.44 |
| 12 | 6 | 309 | KC1 | C2A-C1A | 2.41 | 1.52 | 1.44 |
| 13 | 11 | 312 | DD6 | O1-C20 | 2.41 | 1.49 | 1.46 |
| 12 | 14 | 306 | KC1 | C2A-C1A | 2.41 | 1.52 | 1.44 |
| 11 | 16 | 306 | CLA | C4D-CHA | 2.41 | 1.47 | 1.38 |
| 15 | 6 | 319 | LHG | O7-C5 | -2.41 | 1.40 | 1.46 |
| 14 | 11 | 313 | A86 | C-C1 | 2.41 | 1.55 | 1.50 |
| 11 | 15 | 308 | CLA | C4B-CHC | 2.41 | 1.47 | 1.41 |
| 11 | 14 | 313 | CLA | C4D-CHA | 2.41 | 1.47 | 1.38 |
| 11 | 15 | 302 | CLA | C3D-C4D | -2.41 | 1.38 | 1.44 |
| 14 | 14 | 301 | A86 | O-C13 | -2.41 | 1.18 | 1.23 |
| 11 | 12 | 308 | CLA | C4B-CHC | 2.41 | 1.47 | 1.41 |
| 11 | 7 | 302 | CLA | C4D-CHA | 2.41 | 1.47 | 1.38 |
| 11 | 10 | 303 | CLA | C4B-NB | -2.41 | 1.33 | 1.35 |
| 14 | 10 | 316 | A86 | C24-C1 | 2.41 | 1.51 | 1.45 |
| 11 | 12 | 304 | CLA | C1B-NB | -2.41 | 1.33 | 1.35 |
| 12 | 8 | 312 | KC1 | C2A-C1A | 2.41 | 1.52 | 1.44 |
| 14 | 7 | 318 | A86 | C-C1 | 2.41 | 1.55 | 1.50 |
| 13 | 7 | 301 | DD6 | C4-C5 | 2.40 | 1.50 | 1.43 |
| 11 | 8 | 304 | CLA | C3D-C4D | -2.40 | 1.38 | 1.44 |
| 11 | 7 | 302 | CLA | C1C-C2C | 2.40 | 1.49 | 1.44 |
| 12 | 10 | 310 | KC1 | C2A-C1A | 2.40 | 1.52 | 1.44 |
| 11 | 6 | 304 | CLA | C1B-NB | -2.40 | 1.33 | 1.35 |
| 11 | 11 | 305 | CLA | C1B-NB | -2.40 | 1.33 | 1.35 |
| 14 | 16 | 314 | A86 | C24-C1 | 2.40 | 1.51 | 1.45 |
| 12 | 8 | 306 | KC1 | C4A-C3A | 2.40 | 1.49 | 1.44 |
| 11 | 15 | 313 | CLA | C1B-NB | -2.40 | 1.33 | 1.35 |
| 12 | 8 | 310 | KC1 | C2A-C1A | 2.40 | 1.51 | 1.44 |
| 12 | 14 | 311 | KC1 | C1C-C2C | 2.40 | 1.49 | 1.44 |
| 11 | 15 | 311 | CLA | C4B-CHC | 2.40 | 1.47 | 1.41 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 13 | 15 | 319 | DD6 | C4-C5 | 2.40 | 1.50 | 1.43 |
| 14 | 15 | 315 | A86 | O-C13 | -2.40 | 1.18 | 1.23 |
| 11 | 15 | 302 | CLA | C1C-C2C | 2.39 | 1.49 | 1.44 |
| 11 | 16 | 303 | CLA | C3D-C4D | -2.39 | 1.38 | 1.44 |
| 14 | 14 | 314 | A86 | C24-C1 | 2.39 | 1.51 | 1.45 |
| 11 | 15 | 310 | CLA | C4C-C3C | 2.39 | 1.49 | 1.45 |
| 11 | 12 | 306 | CLA | C1C-NC | -2.39 | 1.34 | 1.37 |
| 11 | 15 | 309 | CLA | C4C-C3C | 2.39 | 1.49 | 1.45 |
| 12 | 13 | 305 | KC1 | C4A-C3A | 2.39 | 1.49 | 1.44 |
| 11 | 7 | 305 | CLA | C3D-C4D | -2.39 | 1.38 | 1.44 |
| 13 | 7 | 316 | DD6 | C4-C5 | 2.39 | 1.50 | 1.43 |
| 14 | 14 | 301 | A86 | C14-C15 | 2.39 | 1.57 | 1.52 |
| 12 | 10 | 310 | KC1 | C4A-C3A | 2.38 | 1.49 | 1.44 |
| 11 | 8 | 305 | CLA | C1C-NC | -2.38 | 1.34 | 1.37 |
| 11 | 16 | 303 | CLA | C4D-CHA | 2.38 | 1.46 | 1.38 |
| 11 | 15 | 313 | CLA | C4B-CHC | 2.38 | 1.47 | 1.41 |
| 12 | 7 | 307 | KC1 | C2A-C1A | 2.38 | 1.51 | 1.44 |
| 13 | 15 | 319 | DD6 | C35-C36 | 2.38 | 1.54 | 1.51 |
| 14 | 12 | 314 | A86 | C24-C1 | 2.38 | 1.51 | 1.45 |
| 11 | 11 | 303 | CLA | C4B-CHC | 2.38 | 1.47 | 1.41 |
| 12 | 6 | 308 | KC1 | C4A-C3A | 2.38 | 1.49 | 1.44 |
| 12 | 13 | 311 | KC1 | CHB-C4A | -2.38 | 1.33 | 1.39 |
| 11 | 11 | 308 | CLA | C4D-CHA | 2.38 | 1.46 | 1.38 |
| 11 | 15 | 304 | CLA | C4C-C3C | 2.37 | 1.49 | 1.45 |
| 11 | 16 | 305 | CLA | C1B-NB | -2.37 | 1.33 | 1.35 |
| 12 | 8 | 314 | KC1 | C4D-CHA | 2.37 | 1.48 | 1.45 |
| 11 | 15 | 303 | CLA | C4B-CHC | 2.37 | 1.47 | 1.41 |
| 14 | 10 | 301 | A86 | C14-C15 | 2.37 | 1.57 | 1.52 |
| 12 | 13 | 312 | KC1 | C4C-C3C | 2.37 | 1.49 | 1.45 |
| 11 | 10 | 309 | CLA | C3D-C4D | -2.37 | 1.38 | 1.44 |
| 12 | 6 | 308 | KC1 | C2A-C1A | 2.37 | 1.51 | 1.44 |
| 11 | 15 | 312 | CLA | C3D-C4D | -2.37 | 1.38 | 1.44 |
| 11 | 7 | 302 | CLA | C4B-CHC | 2.36 | 1.47 | 1.41 |
| 13 | 12 | 317 | DD6 | C4-C5 | 2.36 | 1.50 | 1.43 |
| 14 | 14 | 315 | A86 | C14-C15 | 2.36 | 1.57 | 1.52 |
| 11 | 14 | 304 | CLA | C4C-C3C | 2.36 | 1.49 | 1.45 |
| 11 | 15 | 308 | CLA | C1C-C2C | 2.36 | 1.49 | 1.44 |
| 11 | 16 | 307 | CLA | C4C-C3C | 2.36 | 1.49 | 1.45 |
| 13 | 10 | 313 | DD6 | C4-C5 | 2.36 | 1.50 | 1.43 |
| 11 | 7 | 306 | CLA | C4B-CHC | 2.36 | 1.47 | 1.41 |
| 14 | 15 | 320 | A86 | C35-C34 | 2.36 | 1.56 | 1.51 |
| 11 | 14 | 304 | CLA | C4B-CHC | 2.36 | 1.47 | 1.41 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 13 | 301 | CLA | C3D-C4D | -2.36 | 1.38 | 1.44 |
| 11 | 14 | 302 | CLA | C4B-CHC | 2.36 | 1.47 | 1.41 |
| 11 | 14 | 313 | CLA | C4B-CHC | 2.36 | 1.47 | 1.41 |
| 12 | 13 | 305 | KC1 | C4D-CHA | 2.36 | 1.48 | 1.45 |
| 11 | 16 | 306 | CLA | C4C-C3C | 2.35 | 1.49 | 1.45 |
| 11 | 11 | 307 | CLA | C4B-CHC | 2.35 | 1.47 | 1.41 |
| 12 | 16 | 311 | KC1 | C1C-C2C | 2.35 | 1.49 | 1.44 |
| 13 | 11 | 312 | DD6 | C4-C5 | 2.35 | 1.50 | 1.43 |
| 12 | 6 | 309 | KC1 | CAA-C2A | 2.35 | 1.53 | 1.46 |
| 14 | 11 | 301 | A86 | C24-C1 | 2.35 | 1.51 | 1.45 |
| 11 | 10 | 311 | CLA | C3D-C4D | -2.35 | 1.38 | 1.44 |
| 12 | 10 | 310 | KC1 | C4C-C3C | 2.35 | 1.49 | 1.45 |
| 14 | 11 | 301 | A86 | C14-C15 | 2.35 | 1.57 | 1.52 |
| 11 | 6 | 313 | CLA | C4B-NB | -2.35 | 1.33 | 1.35 |
| 11 | 13 | 307 | CLA | C4C-C3C | 2.35 | 1.49 | 1.45 |
| 11 | 6 | 303 | CLA | C3D-C4D | -2.34 | 1.38 | 1.44 |
| 11 | 15 | 314 | CLA | C1C-C2C | 2.34 | 1.49 | 1.44 |
| 12 | 13 | 312 | KC1 | C4D-CHA | 2.34 | 1.48 | 1.45 |
| 11 | 6 | 304 | CLA | C4B-CHC | 2.34 | 1.47 | 1.41 |
| 11 | 6 | 314 | CLA | C4B-CHC | 2.34 | 1.47 | 1.41 |
| 14 | 11 | 315 | A86 | C-C1 | 2.34 | 1.55 | 1.50 |
| 11 | 10 | 309 | CLA | C4B-CHC | 2.34 | 1.47 | 1.41 |
| 11 | 13 | 303 | CLA | C4C-C3C | 2.34 | 1.49 | 1.45 |
| 11 | 12 | 306 | CLA | C3D-C4D | -2.34 | 1.38 | 1.44 |
| 11 | 13 | 303 | CLA | C4B-CHC | 2.34 | 1.47 | 1.41 |
| 11 | 16 | 308 | CLA | C4B-CHC | 2.33 | 1.47 | 1.41 |
| 11 | 11 | 307 | CLA | C3D-C4D | -2.33 | 1.38 | 1.44 |
| 11 | 16 | 301 | CLA | C4B-CHC | 2.33 | 1.47 | 1.41 |
| 11 | 11 | 305 | CLA | C4B-CHC | 2.33 | 1.47 | 1.41 |
| 14 | 14 | 314 | A86 | C14-C15 | 2.33 | 1.57 | 1.52 |
| 11 | 8 | 304 | CLA | C1C-NC | -2.33 | 1.34 | 1.37 |
| 11 | 13 | 304 | CLA | C1C-C2C | 2.33 | 1.49 | 1.44 |
| 11 | 15 | 309 | CLA | C4B-CHC | 2.33 | 1.47 | 1.41 |
| 11 | 12 | 308 | CLA | C3D-C4D | -2.33 | 1.38 | 1.44 |
| 11 | 14 | 304 | CLA | C3D-C4D | -2.33 | 1.38 | 1.44 |
| 14 | 15 | 317 | A86 | C14-C15 | 2.33 | 1.57 | 1.52 |
| 12 | 7 | 312 | KC1 | CAA-C2A | 2.33 | 1.53 | 1.46 |
| 11 | 15 | 306 | CLA | C4C-C3C | 2.33 | 1.49 | 1.45 |
| 11 | 6 | 312 | CLA | C3D-C4D | -2.33 | 1.38 | 1.44 |
| 11 | 16 | 303 | CLA | C4B-CHC | 2.33 | 1.47 | 1.41 |
| 11 | 16 | 307 | CLA | C4B-CHC | 2.32 | 1.47 | 1.41 |
| 11 | 14 | 312 | CLA | C4C-C3C | 2.32 | 1.49 | 1.45 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 16 | 305 | CLA | C1C-NC | -2.32 | 1.34 | 1.37 |
| 12 | 16 | 311 | KC1 | C4D-CHA | 2.32 | 1.47 | 1.45 |
| 11 | 10 | 303 | CLA | C3D-C4D | -2.32 | 1.38 | 1.44 |
| 11 | 13 | 303 | CLA | C3D-C4D | -2.32 | 1.38 | 1.44 |
| 11 | 13 | 304 | CLA | C4B-CHC | 2.32 | 1.47 | 1.41 |
| 11 | 8 | 301 | CLA | C3D-C4D | -2.32 | 1.38 | 1.44 |
| 13 | 12 | 315 | DD6 | O1-C20 | 2.32 | 1.49 | 1.46 |
| 11 | 16 | 310 | CLA | C1B-NB | -2.32 | 1.33 | 1.35 |
| 14 | 11 | 315 | A86 | C14-C15 | 2.32 | 1.57 | 1.52 |
| 11 | 12 | 310 | CLA | C1C-C2C | 2.32 | 1.49 | 1.44 |
| 11 | 10 | 307 | CLA | C3D-C4D | -2.31 | 1.39 | 1.44 |
| 11 | 13 | 302 | CLA | C3D-C4D | -2.31 | 1.39 | 1.44 |
| 11 | 7 | 311 | CLA | C4C-C3C | 2.31 | 1.49 | 1.45 |
| 11 | 6 | 313 | CLA | C4C-C3C | 2.31 | 1.49 | 1.45 |
| 14 | 8 | 315 | A86 | C5-C6 | 2.31 | 1.38 | 1.35 |
| 12 | 8 | 310 | KC1 | C4A-C3A | 2.31 | 1.49 | 1.44 |
| 14 | 7 | 315 | A86 | O4-C34 | -2.31 | 1.40 | 1.46 |
| 13 | 12 | 315 | DD6 | C29-C27 | -2.31 | 1.38 | 1.42 |
| 14 | 14 | 321 | A86 | C14-C15 | 2.31 | 1.57 | 1.52 |
| 11 | 11 | 309 | CLA | C4B-CHC | 2.31 | 1.47 | 1.41 |
| 11 | 14 | 307 | CLA | C3D-C4D | -2.31 | 1.39 | 1.44 |
| 11 | 14 | 312 | CLA | C3D-C4D | -2.31 | 1.39 | 1.44 |
| 14 | 15 | 317 | A86 | O-C13 | -2.31 | 1.18 | 1.23 |
| 12 | 8 | 311 | KC1 | C4A-C3A | 2.30 | 1.49 | 1.44 |
| 11 | 16 | 303 | CLA | C1C-C2C | 2.30 | 1.49 | 1.44 |
| 13 | 6 | 318 | DD6 | C29-C27 | -2.30 | 1.38 | 1.42 |
| 14 | 16 | 312 | A86 | C14-C15 | 2.30 | 1.57 | 1.52 |
| 11 | 10 | 307 | CLA | C4B-CHC | 2.30 | 1.47 | 1.41 |
| 11 | 13 | 307 | CLA | C4B-CHC | 2.30 | 1.47 | 1.41 |
| 14 | 7 | 314 | A86 | C14-C15 | 2.30 | 1.57 | 1.52 |
| 11 | 15 | 307 | CLA | C4B-CHC | 2.30 | 1.47 | 1.41 |
| 11 | 15 | 313 | CLA | C3D-C4D | -2.30 | 1.39 | 1.44 |
| 14 | 8 | 318 | A86 | C24-C1 | 2.30 | 1.50 | 1.45 |
| 11 | 14 | 312 | CLA | C4B-CHC | 2.30 | 1.47 | 1.41 |
| 11 | 16 | 306 | CLA | C4B-CHC | 2.30 | 1.47 | 1.41 |
| 12 | 8 | 311 | KC1 | C2A-C1A | 2.30 | 1.51 | 1.44 |
| 13 | 8 | 317 | DD6 | C22-C16 | -2.30 | 1.49 | 1.53 |
| 13 | 7 | 313 | DD6 | C29-C27 | -2.30 | 1.38 | 1.42 |
| 11 | 16 | 301 | CLA | C1B-NB | -2.29 | 1.33 | 1.35 |
| 11 | 14 | 309 | CLA | C4B-CHC | 2.29 | 1.47 | 1.41 |
| 11 | 7 | 308 | CLA | C1C-NC | -2.29 | 1.34 | 1.37 |
| 13 | 12 | 317 | DD6 | C29-C27 | -2.29 | 1.38 | 1.42 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 12 | 10 | 312 | KC1 | C4A-C3A | 2.29 | 1.49 | 1.44 |
| 11 | 6 | 302 | CLA | C4B-NB | -2.29 | 1.33 | 1.35 |
| 14 | 16 | 312 | A86 | C24-C1 | 2.29 | 1.50 | 1.45 |
| 11 | 15 | 314 | CLA | C4C-C3C | 2.29 | 1.49 | 1.45 |
| 13 | 15 | 318 | DD6 | C4-C5 | 2.29 | 1.50 | 1.43 |
| 11 | 8 | 309 | CLA | C1C-NC | -2.29 | 1.34 | 1.37 |
| 11 | 14 | 303 | CLA | C4B-CHC | 2.29 | 1.47 | 1.41 |
| 14 | 16 | 314 | A86 | C35-C34 | 2.29 | 1.55 | 1.51 |
| 12 | 10 | 312 | KC1 | C2A-C1A | 2.29 | 1.51 | 1.44 |
| 11 | 16 | 301 | CLA | C1C-C2C | 2.29 | 1.49 | 1.44 |
| 13 | 10 | 314 | DD6 | C4-C5 | 2.29 | 1.50 | 1.43 |
| 11 | 14 | 313 | CLA | C1B-CHB | 2.28 | 1.47 | 1.41 |
| 12 | 13 | 312 | KC1 | C1C-C2C | 2.28 | 1.49 | 1.44 |
| 11 | 11 | 303 | CLA | C1C-C2C | 2.28 | 1.49 | 1.44 |
| 11 | 13 | 302 | CLA | C4B-CHC | 2.28 | 1.47 | 1.41 |
| 11 | 15 | 308 | CLA | C1B-NB | -2.28 | 1.33 | 1.35 |
| 14 | 15 | 321 | A86 | O-C13 | -2.28 | 1.18 | 1.23 |
| 11 | 10 | 307 | CLA | C1C-C2C | 2.28 | 1.49 | 1.44 |
| 11 | 11 | 309 | CLA | C3D-C4D | -2.28 | 1.39 | 1.44 |
| 11 | 16 | 307 | CLA | C3D-C4D | -2.28 | 1.39 | 1.44 |
| 11 | 6 | 303 | CLA | C4B-CHC | 2.28 | 1.47 | 1.41 |
| 11 | 10 | 305 | CLA | C4B-NB | -2.28 | 1.33 | 1.35 |
| 11 | 12 | 302 | CLA | C4D-CHA | 2.28 | 1.46 | 1.38 |
| 12 | 13 | 305 | KC1 | C4C-C3C | 2.28 | 1.49 | 1.45 |
| 11 | 12 | 321 | CLA | C4B-CHC | 2.28 | 1.47 | 1.41 |
| 12 | 8 | 313 | KC1 | C4A-C3A | 2.28 | 1.49 | 1.44 |
| 11 | 14 | 310 | CLA | C4B-CHC | 2.28 | 1.47 | 1.41 |
| 11 | 15 | 304 | CLA | C4B-CHC | 2.28 | 1.47 | 1.41 |
| 11 | 15 | 305 | CLA | C1C-C2C | 2.27 | 1.49 | 1.44 |
| 11 | 15 | 304 | CLA | C3D-C4D | -2.27 | 1.39 | 1.44 |
| 14 | 11 | 313 | A86 | C24-C1 | 2.27 | 1.50 | 1.45 |
| 13 | 10 | 313 | DD6 | C22-C16 | -2.27 | 1.49 | 1.53 |
| 12 | 8 | 310 | KC1 | CAA-C2A | 2.27 | 1.53 | 1.46 |
| 11 | 13 | 302 | CLA | C1B-CHB | 2.27 | 1.47 | 1.41 |
| 11 | 14 | 303 | CLA | C4C-C3C | 2.27 | 1.48 | 1.45 |
| 11 | 15 | 311 | CLA | C4C-C3C | 2.27 | 1.48 | 1.45 |
| 11 | 10 | 304 | CLA | C1B-CHB | 2.27 | 1.47 | 1.41 |
| 13 | 10 | 314 | DD6 | C29-C27 | -2.27 | 1.38 | 1.42 |
| 11 | 11 | 309 | CLA | C4C-C3C | 2.26 | 1.48 | 1.45 |
| 11 | 7 | 304 | CLA | C3D-C4D | -2.26 | 1.39 | 1.44 |
| 11 | 16 | 306 | CLA | C1C-NC | -2.26 | 1.34 | 1.37 |
| 13 | 6 | 315 | DD6 | C29-C27 | -2.26 | 1.38 | 1.42 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 15 | 313 | CLA | C4C-C3C | 2.26 | 1.48 | 1.45 |
| 11 | 15 | 314 | CLA | C4B-CHC | 2.26 | 1.47 | 1.41 |
| 13 | 8 | 317 | DD6 | C35-C36 | 2.26 | 1.54 | 1.51 |
| 11 | 12 | 321 | CLA | C3D-C4D | -2.26 | 1.39 | 1.44 |
| 11 | 6 | 314 | CLA | C4C-C3C | 2.26 | 1.48 | 1.45 |
| 11 | 14 | 305 | CLA | C3D-C4D | -2.26 | 1.39 | 1.44 |
| 11 | 16 | 309 | CLA | C3D-C4D | -2.26 | 1.39 | 1.44 |
| 14 | 14 | 317 | A86 | C14-C15 | 2.26 | 1.57 | 1.52 |
| 12 | 8 | 306 | KC1 | C3B-C4B | 2.26 | 1.50 | 1.46 |
| 11 | 6 | 314 | CLA | C3D-C4D | -2.26 | 1.39 | 1.44 |
| 11 | 14 | 303 | CLA | C1B-NB | -2.26 | 1.33 | 1.35 |
| 12 | 6 | 309 | KC1 | C1C-C2C | 2.26 | 1.48 | 1.44 |
| 12 | 12 | 311 | KC1 | C4C-C3C | 2.26 | 1.48 | 1.45 |
| 13 | 6 | 318 | DD6 | C35-C36 | 2.26 | 1.54 | 1.51 |
| 11 | 6 | 304 | CLA | C1C-C2C | 2.26 | 1.48 | 1.44 |
| 12 | 10 | 306 | KC1 | C4C-C3C | 2.26 | 1.48 | 1.45 |
| 11 | 13 | 301 | CLA | C4B-CHC | 2.26 | 1.47 | 1.41 |
| 11 | 16 | 302 | CLA | C4B-CHC | 2.26 | 1.47 | 1.41 |
| 12 | 14 | 306 | KC1 | CAA-C2A | 2.25 | 1.53 | 1.46 |
| 11 | 7 | 305 | CLA | C4B-CHC | 2.25 | 1.47 | 1.41 |
| 13 | 6 | 315 | DD6 | C35-C36 | 2.25 | 1.54 | 1.51 |
| 14 | 13 | 315 | A86 | O-C13 | -2.25 | 1.18 | 1.23 |
| 12 | 10 | 306 | KC1 | C4A-C3A | 2.25 | 1.48 | 1.44 |
| 11 | 15 | 307 | CLA | C3D-C4D | -2.25 | 1.39 | 1.44 |
| 11 | 12 | 312 | CLA | C1B-NB | -2.25 | 1.33 | 1.35 |
| 11 | 16 | 309 | CLA | C4B-CHC | 2.25 | 1.47 | 1.41 |
| 11 | 16 | 309 | CLA | C4C-C3C | 2.25 | 1.48 | 1.45 |
| 14 | 13 | 313 | A86 | C14-C15 | 2.25 | 1.57 | 1.52 |
| 12 | 6 | 305 | KC1 | C1C-C2C | 2.25 | 1.48 | 1.44 |
| 11 | 12 | 321 | CLA | C1C-NC | -2.25 | 1.34 | 1.37 |
| 11 | 16 | 307 | CLA | C1B-NB | -2.25 | 1.33 | 1.35 |
| 12 | 10 | 306 | KC1 | CAA-C2A | 2.25 | 1.53 | 1.46 |
| 14 | 15 | 321 | A86 | O4-C34 | -2.25 | 1.41 | 1.46 |
| 11 | 11 | 309 | CLA | C1B-NB | -2.25 | 1.33 | 1.35 |
| 12 | 8 | 306 | KC1 | C2A-C1A | 2.24 | 1.51 | 1.44 |
| 11 | 15 | 305 | CLA | C4B-CHC | 2.24 | 1.47 | 1.41 |
| 14 | 11 | 314 | A86 | C14-C15 | 2.24 | 1.57 | 1.52 |
| 11 | 14 | 310 | CLA | C4C-C3C | 2.24 | 1.48 | 1.45 |
| 11 | 10 | 311 | CLA | C1B-CHB | 2.24 | 1.47 | 1.41 |
| 11 | 6 | 303 | CLA | C1B-NB | -2.24 | 1.33 | 1.35 |
| 11 | 14 | 307 | CLA | C1C-C2C | 2.24 | 1.48 | 1.44 |
| 14 | 14 | 301 | A86 | C35-C34 | 2.24 | 1.55 | 1.51 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 14 | 12 | 316 | A86 | C14-C15 | 2.24 | 1.57 | 1.52 |
| 11 | 15 | 307 | CLA | C1C-NC | -2.24 | 1.34 | 1.37 |
| 12 | 10 | 306 | KC1 | C2A-C1A | 2.24 | 1.51 | 1.44 |
| 11 | 14 | 310 | CLA | C3D-C4D | -2.24 | 1.39 | 1.44 |
| 11 | 7 | 310 | CLA | C4C-C3C | 2.24 | 1.48 | 1.45 |
| 12 | 8 | 307 | KC1 | C4A-C3A | 2.24 | 1.48 | 1.44 |
| 11 | 12 | 310 | CLA | C1B-CHB | 2.23 | 1.47 | 1.41 |
| 16 | 7 | 319 | LMG | O1-C7 | -2.23 | 1.39 | 1.43 |
| 11 | 16 | 301 | CLA | C3D-C4D | -2.23 | 1.39 | 1.44 |
| 11 | 6 | 307 | CLA | C4B-CHC | 2.23 | 1.47 | 1.41 |
| 14 | 14 | 319 | A86 | C14-C15 | 2.23 | 1.57 | 1.52 |
| 11 | 11 | 305 | CLA | C1C-C2C | 2.23 | 1.48 | 1.44 |
| 11 | 16 | 302 | CLA | C1B-NB | -2.23 | 1.33 | 1.35 |
| 11 | 6 | 312 | CLA | C4B-CHC | 2.23 | 1.47 | 1.41 |
| 16 | 14 | 322 | LMG | C4-C3 | 2.23 | 1.58 | 1.52 |
| 11 | 15 | 303 | CLA | C1C-C2C | 2.23 | 1.48 | 1.44 |
| 14 | 12 | 314 | A86 | C14-C15 | 2.23 | 1.57 | 1.52 |
| 11 | 8 | 303 | CLA | C1C-NC | -2.23 | 1.34 | 1.37 |
| 12 | 11 | 311 | KC1 | C4C-C3C | 2.23 | 1.48 | 1.45 |
| 11 | 14 | 309 | CLA | C3D-C4D | -2.23 | 1.39 | 1.44 |
| 11 | 15 | 310 | CLA | C4B-CHC | 2.23 | 1.47 | 1.41 |
| 11 | 7 | 304 | CLA | C1A-CHA | 2.23 | 1.52 | 1.43 |
| 16 | 7 | 319 | LMG | C4-C5 | 2.22 | 1.57 | 1.53 |
| 11 | 6 | 304 | CLA | C4C-C3C | 2.22 | 1.48 | 1.45 |
| 11 | 10 | 305 | CLA | C1B-NB | -2.22 | 1.33 | 1.35 |
| 13 | 6 | 315 | DD6 | C22-C16 | -2.22 | 1.49 | 1.53 |
| 11 | 10 | 311 | CLA | C4B-CHC | 2.22 | 1.47 | 1.41 |
| 11 | 15 | 311 | CLA | C1B-CHB | 2.22 | 1.47 | 1.41 |
| 11 | 16 | 302 | CLA | C1B-CHB | 2.22 | 1.47 | 1.41 |
| 11 | 10 | 304 | CLA | C4B-NB | -2.22 | 1.33 | 1.35 |
| 11 | 8 | 305 | CLA | C4B-CHC | 2.22 | 1.47 | 1.41 |
| 11 | 16 | 310 | CLA | C4B-CHC | 2.22 | 1.47 | 1.41 |
| 11 | 10 | 309 | CLA | C1B-NB | -2.22 | 1.33 | 1.35 |
| 11 | 14 | 302 | CLA | C1B-NB | -2.22 | 1.33 | 1.35 |
| 14 | 11 | 301 | A86 | O4-C34 | -2.22 | 1.41 | 1.46 |
| 13 | 11 | 312 | DD6 | C29-C27 | -2.22 | 1.38 | 1.42 |
| 13 | 10 | 314 | DD6 | C22-C16 | -2.22 | 1.49 | 1.53 |
| 11 | 16 | 310 | CLA | C1B-CHB | 2.22 | 1.47 | 1.41 |
| 12 | 13 | 312 | KC1 | C3B-C4B | 2.22 | 1.50 | 1.46 |
| 11 | 8 | 302 | CLA | C4B-CHC | 2.22 | 1.47 | 1.41 |
| 14 | 8 | 315 | A86 | O4-C34 | -2.22 | 1.41 | 1.46 |
| 11 | 14 | 302 | CLA | C1C-C2C | 2.21 | 1.48 | 1.44 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 13 | 309 | CLA | C4B-CHC | 2.21 | 1.47 | 1.41 |
| 11 | 14 | 304 | CLA | C1B-CHB | 2.21 | 1.47 | 1.41 |
| 11 | 8 | 308 | CLA | C4B-CHC | 2.21 | 1.47 | 1.41 |
| 11 | 15 | 307 | CLA | C4C-C3C | 2.21 | 1.48 | 1.45 |
| 12 | 8 | 314 | KC1 | C4C-C3C | 2.21 | 1.48 | 1.45 |
| 11 | 14 | 307 | CLA | C1B-NB | -2.21 | 1.33 | 1.35 |
| 12 | 12 | 311 | KC1 | C4D-CHA | 2.21 | 1.47 | 1.45 |
| 11 | 16 | 310 | CLA | C1C-NC | -2.21 | 1.34 | 1.37 |
| 11 | 12 | 312 | CLA | C4B-CHC | 2.21 | 1.47 | 1.41 |
| 11 | 10 | 303 | CLA | C1C-NC | -2.21 | 1.34 | 1.37 |
| 12 | 12 | 313 | KC1 | C1C-C2C | 2.21 | 1.48 | 1.44 |
| 11 | 14 | 310 | CLA | C1C-C2C | 2.20 | 1.48 | 1.44 |
| 12 | 6 | 305 | KC1 | C4D-CHA | 2.20 | 1.47 | 1.45 |
| 11 | 10 | 304 | CLA | C4B-CHC | 2.20 | 1.47 | 1.41 |
| 11 | 6 | 303 | CLA | C1C-C2C | 2.20 | 1.48 | 1.44 |
| 11 | 14 | 303 | CLA | C3D-C4D | -2.20 | 1.39 | 1.44 |
| 11 | 13 | 302 | CLA | C4C-C3C | 2.20 | 1.48 | 1.45 |
| 11 | 15 | 311 | CLA | C3D-C4D | -2.20 | 1.39 | 1.44 |
| 11 | 15 | 314 | CLA | C3D-C4D | -2.20 | 1.39 | 1.44 |
| 11 | 10 | 311 | CLA | C4C-C3C | 2.20 | 1.48 | 1.45 |
| 12 | 12 | 309 | KC1 | C4D-CHA | 2.20 | 1.47 | 1.45 |
| 12 | 13 | 306 | KC1 | CAA-C2A | 2.19 | 1.53 | 1.46 |
| 11 | 12 | 308 | CLA | C1B-CHB | 2.19 | 1.47 | 1.41 |
| 12 | 14 | 308 | KC1 | C1C-C2C | 2.19 | 1.48 | 1.44 |
| 11 | 16 | 305 | CLA | C3D-C4D | -2.19 | 1.39 | 1.44 |
| 11 | 16 | 308 | CLA | C3D-C4D | -2.19 | 1.39 | 1.44 |
| 11 | 15 | 305 | CLA | C1B-NB | -2.19 | 1.33 | 1.35 |
| 11 | 8 | 302 | CLA | C1C-C2C | 2.19 | 1.48 | 1.44 |
| 11 | 11 | 309 | CLA | C1C-C2C | 2.19 | 1.48 | 1.44 |
| 13 | 8 | 316 | DD6 | C29-C27 | -2.19 | 1.38 | 1.42 |
| 11 | 15 | 306 | CLA | C1B-NB | -2.19 | 1.33 | 1.35 |
| 11 | 14 | 313 | CLA | C1C-C2C | 2.19 | 1.48 | 1.44 |
| 11 | 15 | 311 | CLA | C1C-C2C | 2.19 | 1.48 | 1.44 |
| 13 | 15 | 319 | DD6 | C22-C16 | -2.19 | 1.49 | 1.53 |
| 11 | 6 | 314 | CLA | C1C-C2C | 2.19 | 1.48 | 1.44 |
| 13 | 6 | 318 | DD6 | O1-C20 | 2.19 | 1.49 | 1.46 |
| 14 | 6 | 317 | A86 | C35-C34 | 2.19 | 1.55 | 1.51 |
| 11 | 11 | 308 | CLA | C4B-CHC | 2.19 | 1.47 | 1.41 |
| 12 | 13 | 308 | KC1 | C4C-C3C | 2.19 | 1.48 | 1.45 |
| 11 | 15 | 303 | CLA | C3D-C4D | -2.19 | 1.39 | 1.44 |
| 11 | 7 | 309 | CLA | C1C-C2C | 2.19 | 1.48 | 1.44 |
| 12 | 16 | 311 | KC1 | C4C-C3C | 2.18 | 1.48 | 1.45 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 12 | 310 | CLA | C4B-CHC | 2.18 | 1.47 | 1.41 |
| 11 | 15 | 310 | CLA | C1C-C2C | 2.18 | 1.48 | 1.44 |
| 11 | 10 | 311 | CLA | C1B-NB | -2.18 | 1.33 | 1.35 |
| 11 | 14 | 303 | CLA | C1C-C2C | 2.18 | 1.48 | 1.44 |
| 11 | 13 | 309 | CLA | C1B-CHB | 2.18 | 1.47 | 1.41 |
| 13 | 13 | 314 | DD6 | O1-C20 | 2.18 | 1.49 | 1.46 |
| 13 | 7 | 317 | DD6 | C35-C36 | 2.18 | 1.54 | 1.51 |
| 12 | 8 | 311 | KC1 | C4C-C3C | 2.18 | 1.48 | 1.45 |
| 13 | 7 | 313 | DD6 | C4-C5 | 2.18 | 1.50 | 1.43 |
| 11 | 12 | 308 | CLA | C1C-C2C | 2.18 | 1.48 | 1.44 |
| 12 | 13 | 311 | KC1 | C4D-CHA | 2.18 | 1.47 | 1.45 |
| 11 | 6 | 306 | CLA | C4B-NB | -2.18 | 1.33 | 1.35 |
| 11 | 6 | 312 | CLA | C1B-NB | -2.18 | 1.33 | 1.35 |
| 11 | 6 | 311 | CLA | C4B-CHC | 2.18 | 1.47 | 1.41 |
| 11 | 13 | 304 | CLA | C3D-C4D | -2.18 | 1.39 | 1.44 |
| 11 | 16 | 307 | CLA | C1B-CHB | 2.17 | 1.47 | 1.41 |
| 11 | 15 | 303 | CLA | C1B-NB | -2.17 | 1.33 | 1.35 |
| 12 | 8 | 312 | KC1 | C4C-C3C | 2.17 | 1.48 | 1.45 |
| 11 | 11 | 307 | CLA | C1C-NC | -2.17 | 1.34 | 1.37 |
| 11 | 7 | 303 | CLA | C4B-NB | -2.17 | 1.33 | 1.35 |
| 11 | 13 | 307 | CLA | C1C-NC | -2.17 | 1.34 | 1.37 |
| 11 | 14 | 305 | CLA | C4B-CHC | 2.17 | 1.47 | 1.41 |
| 11 | 12 | 321 | CLA | C4C-C3C | 2.17 | 1.48 | 1.45 |
| 11 | 15 | 306 | CLA | C3D-C4D | -2.17 | 1.39 | 1.44 |
| 14 | 11 | 315 | A86 | O4-C34 | -2.17 | 1.41 | 1.46 |
| 11 | 16 | 307 | CLA | C1C-C2C | 2.17 | 1.48 | 1.44 |
| 11 | 8 | 309 | CLA | C4C-C3C | 2.17 | 1.48 | 1.45 |
| 11 | 6 | 301 | CLA | C4B-CHC | 2.17 | 1.47 | 1.41 |
| 11 | 15 | 302 | CLA | C4C-C3C | 2.17 | 1.48 | 1.45 |
| 11 | 7 | 308 | CLA | C4B-CHC | 2.17 | 1.47 | 1.41 |
| 11 | 16 | 306 | CLA | C1C-C2C | 2.17 | 1.48 | 1.44 |
| 11 | 6 | 306 | CLA | C4B-CHC | 2.16 | 1.47 | 1.41 |
| 12 | 13 | 308 | KC1 | C1C-C2C | 2.16 | 1.48 | 1.44 |
| 14 | 6 | 317 | A86 | C14-C15 | 2.16 | 1.57 | 1.52 |
| 12 | 11 | 306 | KC1 | C4C-C3C | 2.16 | 1.48 | 1.45 |
| 11 | 16 | 309 | CLA | C1C-C2C | 2.16 | 1.48 | 1.44 |
| 11 | 15 | 310 | CLA | C3D-C4D | -2.16 | 1.39 | 1.44 |
| 14 | 12 | 314 | A86 | O4-C34 | -2.16 | 1.41 | 1.46 |
| 14 | 14 | 315 | A86 | O4-C34 | -2.16 | 1.41 | 1.46 |
| 11 | 15 | 305 | CLA | C1B-CHB | 2.16 | 1.47 | 1.41 |
| 11 | 13 | 302 | CLA | C1C-C2C | 2.16 | 1.48 | 1.44 |
| 11 | 16 | 305 | CLA | C4B-CHC | 2.16 | 1.47 | 1.41 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 8 | 308 | CLA | C1C-C2C | 2.16 | 1.48 | 1.44 |
| 11 | 13 | 302 | CLA | C1B-NB | -2.16 | 1.33 | 1.35 |
| 13 | 8 | 317 | DD6 | C4-C5 | 2.16 | 1.50 | 1.43 |
| 11 | 15 | 309 | CLA | C3D-C4D | -2.16 | 1.39 | 1.44 |
| 11 | 13 | 303 | CLA | C1C-C2C | 2.16 | 1.48 | 1.44 |
| 12 | 11 | 310 | KC1 | C1C-C2C | 2.16 | 1.48 | 1.44 |
| 11 | 15 | 305 | CLA | C3D-C4D | -2.16 | 1.39 | 1.44 |
| 14 | 11 | 313 | A86 | O4-C34 | -2.16 | 1.41 | 1.46 |
| 11 | 10 | 309 | CLA | C4C-C3C | 2.16 | 1.48 | 1.45 |
| 12 | 10 | 312 | KC1 | CAA-C2A | 2.16 | 1.53 | 1.46 |
| 11 | 14 | 309 | CLA | C1B-CHB | 2.15 | 1.47 | 1.41 |
| 11 | 6 | 307 | CLA | C3D-C4D | -2.15 | 1.39 | 1.44 |
| 11 | 10 | 305 | CLA | C1B-CHB | 2.15 | 1.47 | 1.41 |
| 11 | 15 | 306 | CLA | C4B-CHC | 2.15 | 1.47 | 1.41 |
| 13 | 8 | 316 | DD6 | C22-C16 | -2.15 | 1.49 | 1.53 |
| 13 | 12 | 315 | DD6 | C22-C16 | -2.15 | 1.49 | 1.53 |
| 11 | 13 | 307 | CLA | C3D-C4D | -2.15 | 1.39 | 1.44 |
| 12 | 16 | 304 | KC1 | C1D-CHD | 2.15 | 1.47 | 1.41 |
| 11 | 15 | 309 | CLA | C1C-C2C | 2.15 | 1.48 | 1.44 |
| 11 | 15 | 303 | CLA | C4C-C3C | 2.15 | 1.48 | 1.45 |
| 12 | 12 | 309 | KC1 | C4C-C3C | 2.15 | 1.48 | 1.45 |
| 12 | 6 | 305 | KC1 | C4A-C3A | 2.15 | 1.48 | 1.44 |
| 12 | 8 | 312 | KC1 | C1C-C2C | 2.15 | 1.48 | 1.44 |
| 11 | 10 | 307 | CLA | C4B-NB | -2.15 | 1.33 | 1.35 |
| 11 | 11 | 305 | CLA | C4C-C3C | 2.15 | 1.48 | 1.45 |
| 11 | 12 | 302 | CLA | C1C-C2C | 2.15 | 1.48 | 1.44 |
| 11 | 16 | 309 | CLA | C1B-CHB | 2.15 | 1.47 | 1.41 |
| 11 | 12 | 303 | CLA | C1C-NC | -2.15 | 1.34 | 1.37 |
| 12 | 12 | 311 | KC1 | C3B-C4B | 2.14 | 1.49 | 1.46 |
| 13 | 8 | 316 | DD6 | C4-C5 | 2.14 | 1.50 | 1.43 |
| 11 | 14 | 309 | CLA | C1B-NB | -2.14 | 1.33 | 1.35 |
| 11 | 12 | 304 | CLA | C4B-CHC | 2.14 | 1.46 | 1.41 |
| 11 | 12 | 304 | CLA | C1C-NC | -2.14 | 1.34 | 1.37 |
| 11 | 15 | 306 | CLA | C1B-CHB | 2.14 | 1.46 | 1.41 |
| 12 | 11 | 310 | KC1 | C4C-C3C | 2.14 | 1.48 | 1.45 |
| 11 | 6 | 302 | CLA | C4B-CHC | 2.14 | 1.46 | 1.41 |
| 12 | 6 | 310 | KC1 | C1C-C2C | 2.14 | 1.48 | 1.44 |
| 11 | 13 | 309 | CLA | C3D-C4D | -2.14 | 1.39 | 1.44 |
| 12 | 13 | 311 | KC1 | C1D-CHD | 2.14 | 1.46 | 1.41 |
| 12 | 14 | 311 | KC1 | C4D-CHA | 2.14 | 1.47 | 1.45 |
| 12 | 8 | 312 | KC1 | CAA-C2A | 2.14 | 1.53 | 1.46 |
| 12 | 8 | 313 | KC1 | C2A-C1A | 2.14 | 1.51 | 1.44 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 7 | 311 | CLA | C1B-NB | -2.14 | 1.33 | 1.35 |
| 14 | 8 | 315 | A86 | C-C1 | 2.14 | 1.55 | 1.50 |
| 12 | 10 | 312 | KC1 | C1C-C2C | 2.14 | 1.48 | 1.44 |
| 12 | 13 | 308 | KC1 | C4D-CHA | 2.13 | 1.47 | 1.45 |
| 12 | 13 | 306 | KC1 | C1C-C2C | 2.13 | 1.48 | 1.44 |
| 11 | 14 | 307 | CLA | C1B-CHB | 2.13 | 1.46 | 1.41 |
| 12 | 8 | 307 | KC1 | C2A-C1A | 2.13 | 1.51 | 1.44 |
| 16 | 8 | 323 | LMG | C4-C3 | 2.13 | 1.57 | 1.52 |
| 11 | 15 | 304 | CLA | C1B-NB | -2.13 | 1.33 | 1.35 |
| 11 | 12 | 308 | CLA | C1C-NC | -2.13 | 1.34 | 1.37 |
| 11 | 7 | 311 | CLA | C4B-CHC | 2.13 | 1.46 | 1.41 |
| 11 | 7 | 305 | CLA | C4C-C3C | 2.13 | 1.48 | 1.45 |
| 11 | 13 | 309 | CLA | C1C-C2C | 2.13 | 1.48 | 1.44 |
| 11 | 15 | 313 | CLA | C1C-C2C | 2.13 | 1.48 | 1.44 |
| 11 | 16 | 303 | CLA | C1B-NB | -2.13 | 1.33 | 1.35 |
| 12 | 11 | 306 | KC1 | C1C-C2C | 2.13 | 1.48 | 1.44 |
| 14 | 8 | 315 | A86 | C14-C15 | 2.13 | 1.56 | 1.52 |
| 13 | 12 | 315 | DD6 | C4-C5 | 2.13 | 1.50 | 1.43 |
| 11 | 7 | 311 | CLA | C1B-CHB | 2.13 | 1.46 | 1.41 |
| 11 | 14 | 302 | CLA | C4C-C3C | 2.13 | 1.48 | 1.45 |
| 12 | 11 | 304 | KC1 | C4C-C3C | 2.13 | 1.48 | 1.45 |
| 11 | 7 | 311 | CLA | C1C-NC | -2.13 | 1.34 | 1.37 |
| 11 | 15 | 304 | CLA | C1C-C2C | 2.13 | 1.48 | 1.44 |
| 11 | 12 | 303 | CLA | C4B-CHC | 2.13 | 1.46 | 1.41 |
| 14 | 14 | 315 | A86 | C24-C1 | 2.12 | 1.50 | 1.45 |
| 11 | 7 | 304 | CLA | C4C-C3C | 2.12 | 1.48 | 1.45 |
| 11 | 8 | 309 | CLA | C4B-CHC | 2.12 | 1.46 | 1.41 |
| 12 | 11 | 310 | KC1 | CAA-C2A | 2.12 | 1.53 | 1.46 |
| 11 | 10 | 308 | CLA | C1C-C2C | 2.12 | 1.48 | 1.44 |
| 11 | 16 | 310 | CLA | C1C-C2C | 2.12 | 1.48 | 1.44 |
| 11 | 13 | 307 | CLA | C1C-C2C | 2.12 | 1.48 | 1.44 |
| 11 | 8 | 302 | CLA | C1C-NC | -2.12 | 1.34 | 1.37 |
| 11 | 7 | 303 | CLA | C1B-CHB | 2.12 | 1.46 | 1.41 |
| 11 | 15 | 310 | CLA | C1B-CHB | 2.12 | 1.46 | 1.41 |
| 11 | 6 | 307 | CLA | C4C-C3C | 2.12 | 1.48 | 1.45 |
| 11 | 14 | 313 | CLA | C4C-C3C | 2.12 | 1.48 | 1.45 |
| 14 | 8 | 318 | A86 | C35-C34 | 2.12 | 1.55 | 1.51 |
| 12 | 6 | 310 | KC1 | C2A-C1A | 2.12 | 1.51 | 1.44 |
| 11 | 11 | 308 | CLA | C4C-C3C | 2.12 | 1.48 | 1.45 |
| 11 | 14 | 312 | CLA | C1C-C2C | 2.12 | 1.48 | 1.44 |
| 11 | 10 | 311 | CLA | C1C-NC | -2.12 | 1.34 | 1.37 |
| 11 | 12 | 312 | CLA | C1C-NC | -2.12 | 1.34 | 1.37 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 10 | 305 | CLA | C4C-C3C | 2.12 | 1.48 | 1.45 |
| 14 | 13 | 313 | A86 | C35-C34 | 2.12 | 1.55 | 1.52 |
| 12 | 8 | 307 | KC1 | C3D-C4D | -2.11 | 1.38 | 1.40 |
| 11 | 14 | 305 | CLA | C1C-C2C | 2.11 | 1.48 | 1.44 |
| 16 | 8 | 321 | LMG | O1-C7 | -2.11 | 1.39 | 1.43 |
| 13 | 7 | 301 | DD6 | C35-C36 | 2.11 | 1.54 | 1.51 |
| 14 | 7 | 318 | A86 | O4-C34 | -2.11 | 1.41 | 1.46 |
| 11 | 12 | 306 | CLA | C4B-CHC | 2.11 | 1.46 | 1.41 |
| 11 | 13 | 303 | CLA | C1B-CHB | 2.11 | 1.46 | 1.41 |
| 13 | 7 | 316 | DD6 | C29-C27 | -2.11 | 1.38 | 1.42 |
| 11 | 10 | 309 | CLA | C1B-CHB | 2.11 | 1.46 | 1.41 |
| 13 | 12 | 317 | DD6 | O1-C20 | 2.11 | 1.49 | 1.46 |
| 11 | 10 | 309 | CLA | C1C-C2C | 2.11 | 1.48 | 1.44 |
| 12 | 11 | 304 | KC1 | CAA-C2A | 2.11 | 1.53 | 1.46 |
| 16 | 14 | 322 | LMG | O7-C8 | -2.11 | 1.41 | 1.46 |
| 11 | 6 | 312 | CLA | C1B-CHB | 2.11 | 1.46 | 1.41 |
| 11 | 13 | 304 | CLA | C1B-CHB | 2.11 | 1.46 | 1.41 |
| 11 | 10 | 304 | CLA | C1C-C2C | 2.11 | 1.48 | 1.44 |
| 14 | 14 | 316 | A86 | C35-C34 | 2.11 | 1.55 | 1.51 |
| 11 | 12 | 312 | CLA | C4C-C3C | 2.11 | 1.48 | 1.45 |
| 11 | 16 | 302 | CLA | C1C-NC | -2.11 | 1.34 | 1.37 |
| 11 | 6 | 304 | CLA | C1B-CHB | 2.10 | 1.46 | 1.41 |
| 11 | 15 | 309 | CLA | C1B-CHB | 2.10 | 1.46 | 1.41 |
| 14 | 10 | 302 | A86 | O4-C34 | -2.10 | 1.41 | 1.46 |
| 14 | 13 | 315 | A86 | O4-C34 | -2.10 | 1.41 | 1.46 |
| 11 | 7 | 310 | CLA | C4B-CHC | 2.10 | 1.46 | 1.41 |
| 11 | 15 | 312 | CLA | C4B-CHC | 2.10 | 1.46 | 1.41 |
| 12 | 16 | 311 | KC1 | C1D-CHD | 2.10 | 1.46 | 1.41 |
| 13 | 6 | 316 | DD6 | C29-C27 | -2.10 | 1.38 | 1.42 |
| 14 | 14 | 314 | A86 | C-C1 | 2.10 | 1.55 | 1.50 |
| 11 | 16 | 308 | CLA | C1C-C2C | 2.10 | 1.48 | 1.44 |
| 12 | 7 | 312 | KC1 | C2A-C1A | 2.10 | 1.51 | 1.44 |
| 11 | 12 | 302 | CLA | C4B-CHC | 2.10 | 1.46 | 1.41 |
| 11 | 15 | 312 | CLA | C4C-C3C | 2.10 | 1.48 | 1.45 |
| 14 | 10 | 301 | A86 | O4-C34 | -2.10 | 1.41 | 1.46 |
| 11 | 14 | 304 | CLA | C1C-C2C | 2.10 | 1.48 | 1.44 |
| 11 | 15 | 308 | CLA | C3D-C4D | -2.10 | 1.39 | 1.44 |
| 11 | 7 | 303 | CLA | C1C-NC | -2.10 | 1.34 | 1.37 |
| 11 | 8 | 303 | CLA | C4C-C3C | 2.09 | 1.48 | 1.45 |
| 12 | 13 | 311 | KC1 | C1C-C2C | 2.09 | 1.48 | 1.44 |
| 12 | 14 | 311 | KC1 | CAA-C2A | 2.09 | 1.53 | 1.46 |
| 11 | 11 | 303 | CLA | C1B-NB | -2.09 | 1.33 | 1.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 14 | 305 | CLA | C4C-C3C | 2.09 | 1.48 | 1.45 |
| 16 | 8 | 320 | LMG | C7-C8 | 2.09 | 1.57 | 1.50 |
| 12 | 10 | 306 | KC1 | C4D-CHA | 2.09 | 1.47 | 1.45 |
| 12 | 14 | 308 | KC1 | C1D-CHD | 2.09 | 1.46 | 1.41 |
| 14 | 14 | 314 | A86 | O4-C34 | -2.09 | 1.41 | 1.46 |
| 11 | 15 | 312 | CLA | C1C-C2C | 2.09 | 1.48 | 1.44 |
| 12 | 10 | 310 | KC1 | C4D-CHA | 2.09 | 1.47 | 1.45 |
| 12 | 16 | 304 | KC1 | CAA-C2A | 2.09 | 1.53 | 1.46 |
| 11 | 6 | 303 | CLA | C1B-CHB | 2.09 | 1.46 | 1.41 |
| 11 | 16 | 301 | CLA | C1B-CHB | 2.09 | 1.46 | 1.41 |
| 14 | 8 | 318 | A86 | O4-C34 | -2.09 | 1.41 | 1.46 |
| 12 | 13 | 312 | KC1 | C1D-CHD | 2.08 | 1.46 | 1.41 |
| 11 | 12 | 310 | CLA | C1B-NB | -2.08 | 1.33 | 1.35 |
| 11 | 7 | 309 | CLA | C4C-C3C | 2.08 | 1.48 | 1.45 |
| 12 | 13 | 310 | KC1 | C4D-CHA | 2.08 | 1.47 | 1.45 |
| 11 | 6 | 302 | CLA | C4C-C3C | 2.08 | 1.48 | 1.45 |
| 12 | 13 | 311 | KC1 | CAA-C2A | 2.08 | 1.53 | 1.46 |
| 14 | 15 | 317 | A86 | C35-C34 | 2.08 | 1.55 | 1.51 |
| 14 | 14 | 321 | A86 | C4-C3 | 2.08 | 1.41 | 1.36 |
| 12 | 11 | 304 | KC1 | C2A-C1A | 2.08 | 1.50 | 1.44 |
| 11 | 6 | 306 | CLA | C4C-C3C | 2.08 | 1.48 | 1.45 |
| 13 | 6 | 316 | DD6 | O1-C20 | 2.08 | 1.49 | 1.46 |
| 12 | 6 | 310 | KC1 | C4C-C3C | 2.08 | 1.48 | 1.45 |
| 12 | 6 | 308 | KC1 | C4C-C3C | 2.08 | 1.48 | 1.45 |
| 14 | 12 | 316 | A86 | O4-C34 | -2.08 | 1.41 | 1.46 |
| 14 | 15 | 316 | A86 | O4-C34 | -2.08 | 1.41 | 1.46 |
| 11 | 8 | 305 | CLA | C1C-C2C | 2.08 | 1.48 | 1.44 |
| 11 | 11 | 303 | CLA | C1B-CHB | 2.07 | 1.46 | 1.41 |
| 12 | 13 | 305 | KC1 | C1C-C2C | 2.07 | 1.48 | 1.44 |
| 12 | 13 | 310 | KC1 | CAA-C2A | 2.07 | 1.52 | 1.46 |
| 11 | 15 | 303 | CLA | C1B-CHB | 2.07 | 1.46 | 1.41 |
| 13 | 6 | 318 | DD6 | C4-C5 | 2.07 | 1.49 | 1.43 |
| 14 | 15 | 320 | A86 | C4-C3 | 2.07 | 1.41 | 1.36 |
| 11 | 13 | 301 | CLA | C1C-C2C | 2.07 | 1.48 | 1.44 |
| 12 | 8 | 314 | KC1 | CAA-C2A | 2.07 | 1.52 | 1.46 |
| 14 | 10 | 316 | A86 | O4-C34 | -2.07 | 1.41 | 1.46 |
| 13 | 10 | 313 | DD6 | O1-C20 | 2.07 | 1.49 | 1.46 |
| 13 | 13 | 314 | DD6 | C35-C36 | 2.07 | 1.54 | 1.51 |
| 11 | 8 | 301 | CLA | C1C-C2C | 2.07 | 1.48 | 1.44 |
| 12 | 11 | 304 | KC1 | C1C-C2C | 2.07 | 1.48 | 1.44 |
| 12 | 13 | 308 | KC1 | CAA-C2A | 2.07 | 1.52 | 1.46 |
| 12 | 11 | 311 | KC1 | C4D-CHA | 2.07 | 1.47 | 1.45 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 11 | 309 | CLA | C1B-CHB | 2.07 | 1.46 | 1.41 |
| 11 | 15 | 314 | CLA | C1B-CHB | 2.07 | 1.46 | 1.41 |
| 11 | 13 | 301 | CLA | C4C-C3C | 2.07 | 1.48 | 1.45 |
| 11 | 12 | 303 | CLA | C1C-C2C | 2.06 | 1.48 | 1.44 |
| 12 | 8 | 313 | KC1 | CAA-C2A | 2.06 | 1.52 | 1.46 |
| 12 | 6 | 308 | KC1 | CAA-C2A | 2.06 | 1.52 | 1.46 |
| 11 | 7 | 304 | CLA | C4B-CHC | 2.06 | 1.46 | 1.41 |
| 14 | 10 | 317 | A86 | O4-C34 | -2.06 | 1.41 | 1.46 |
| 11 | 8 | 305 | CLA | C1B-CHB | 2.06 | 1.46 | 1.41 |
| 12 | 14 | 308 | KC1 | CAA-C2A | 2.06 | 1.52 | 1.46 |
| 11 | 12 | 308 | CLA | C4C-C3C | 2.06 | 1.48 | 1.45 |
| 13 | 11 | 312 | DD6 | C35-C36 | 2.06 | 1.54 | 1.51 |
| 11 | 6 | 301 | CLA | C1C-NC | -2.06 | 1.34 | 1.37 |
| 11 | 7 | 304 | CLA | C1B-CHB | 2.06 | 1.46 | 1.41 |
| 11 | 12 | 303 | CLA | C1B-CHB | 2.06 | 1.46 | 1.41 |
| 11 | 15 | 313 | CLA | C1B-CHB | 2.06 | 1.46 | 1.41 |
| 12 | 11 | 304 | KC1 | C4D-CHA | 2.06 | 1.47 | 1.45 |
| 11 | 14 | 312 | CLA | C1B-CHB | 2.06 | 1.46 | 1.41 |
| 11 | 6 | 307 | CLA | C1B-CHB | 2.06 | 1.46 | 1.41 |
| 16 | 14 | 322 | LMG | C4-C5 | 2.06 | 1.57 | 1.53 |
| 11 | 13 | 309 | CLA | C1A-CHA | 2.05 | 1.51 | 1.43 |
| 12 | 11 | 310 | KC1 | C4D-CHA | 2.05 | 1.47 | 1.45 |
| 12 | 12 | 313 | KC1 | C3B-C4B | 2.05 | 1.49 | 1.46 |
| 11 | 14 | 310 | CLA | C1B-NB | -2.05 | 1.33 | 1.35 |
| 11 | 6 | 311 | CLA | C1C-NC | -2.05 | 1.34 | 1.37 |
| 12 | 7 | 312 | KC1 | C4A-C3A | 2.05 | 1.48 | 1.44 |
| 11 | 6 | 303 | CLA | C4C-C3C | 2.05 | 1.48 | 1.45 |
| 11 | 7 | 310 | CLA | C1B-CHB | 2.05 | 1.46 | 1.41 |
| 12 | 11 | 306 | KC1 | C4D-CHA | 2.05 | 1.47 | 1.45 |
| 11 | 16 | 310 | CLA | C4B-NB | -2.05 | 1.33 | 1.35 |
| 14 | 16 | 312 | A86 | C-C1 | 2.05 | 1.55 | 1.50 |
| 14 | 14 | 320 | A86 | O4-C34 | -2.05 | 1.41 | 1.46 |
| 11 | 7 | 309 | CLA | C4B-CHC | 2.05 | 1.46 | 1.41 |
| 11 | 8 | 304 | CLA | C4B-CHC | 2.05 | 1.46 | 1.41 |
| 11 | 16 | 302 | CLA | C1C-C2C | 2.05 | 1.48 | 1.44 |
| 11 | 13 | 301 | CLA | C1B-CHB | 2.05 | 1.46 | 1.41 |
| 12 | 11 | 306 | KC1 | C1D-CHD | 2.05 | 1.46 | 1.41 |
| 14 | 15 | 315 | A86 | O4-C34 | -2.05 | 1.41 | 1.46 |
| 11 | 12 | 321 | CLA | C1B-CHB | 2.05 | 1.46 | 1.41 |
| 11 | 16 | 308 | CLA | C1B-CHB | 2.05 | 1.46 | 1.41 |
| 14 | 14 | 316 | A86 | C14-C15 | 2.04 | 1.56 | 1.52 |
| 12 | 10 | 306 | KC1 | C1C-C2C | 2.04 | 1.48 | 1.44 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 11 | 15 | 307 | CLA | C1C-C2C | 2.04 | 1.48 | 1.44 |
| 14 | 16 | 312 | A86 | O4-C34 | -2.04 | 1.41 | 1.46 |
| 11 | 12 | 307 | CLA | C1C-C2C | 2.04 | 1.48 | 1.44 |
| 12 | 8 | 314 | KC1 | C1D-CHD | 2.04 | 1.46 | 1.41 |
| 11 | 15 | 306 | CLA | C1C-C2C | 2.04 | 1.48 | 1.44 |
| 11 | 7 | 304 | CLA | C1C-NC | -2.04 | 1.34 | 1.37 |
| 11 | 12 | 306 | CLA | C4C-C3C | 2.04 | 1.48 | 1.45 |
| 12 | 12 | 305 | KC1 | C4C-C3C | 2.04 | 1.48 | 1.45 |
| 11 | 6 | 314 | CLA | C1B-CHB | 2.04 | 1.46 | 1.41 |
| 11 | 16 | 309 | CLA | C1B-NB | -2.04 | 1.33 | 1.35 |
| 11 | 15 | 304 | CLA | C1C-NC | -2.04 | 1.34 | 1.37 |
| 14 | 16 | 312 | A86 | C35-C34 | 2.04 | 1.55 | 1.51 |
| 11 | 6 | 307 | CLA | C1C-NC | -2.04 | 1.34 | 1.37 |
| 14 | 14 | 318 | A86 | C35-C34 | 2.04 | 1.55 | 1.51 |
| 11 | 15 | 307 | CLA | C1B-CHB | 2.04 | 1.46 | 1.41 |
| 12 | 11 | 306 | KC1 | CAA-C2A | 2.03 | 1.52 | 1.46 |
| 12 | 11 | 311 | KC1 | CAA-C2A | 2.03 | 1.52 | 1.46 |
| 11 | 12 | 312 | CLA | C1C-C2C | 2.03 | 1.48 | 1.44 |
| 13 | 6 | 315 | DD6 | O1-C20 | 2.03 | 1.49 | 1.46 |
| 11 | 6 | 302 | CLA | C1C-C2C | 2.03 | 1.48 | 1.44 |
| 14 | 14 | 319 | A86 | O3-C36 | -2.03 | 1.39 | 1.43 |
| 11 | 16 | 305 | CLA | C1A-CHA | 2.03 | 1.51 | 1.43 |
| 11 | 6 | 312 | CLA | C1C-C2C | 2.03 | 1.48 | 1.44 |
| 11 | 7 | 308 | CLA | C4C-C3C | 2.03 | 1.48 | 1.45 |
| 11 | 6 | 313 | CLA | C1C-NC | -2.03 | 1.34 | 1.37 |
| 11 | 16 | 305 | CLA | C1B-CHB | 2.03 | 1.46 | 1.41 |
| 11 | 14 | 302 | CLA | C1B-CHB | 2.03 | 1.46 | 1.41 |
| 12 | 12 | 305 | KC1 | CAA-C2A | 2.02 | 1.52 | 1.46 |
| 12 | 12 | 305 | KC1 | C4D-CHA | 2.02 | 1.47 | 1.45 |
| 11 | 6 | 314 | CLA | C1B-NB | -2.02 | 1.33 | 1.35 |
| 11 | 14 | 312 | CLA | C1B-NB | -2.02 | 1.33 | 1.35 |
| 11 | 10 | 304 | CLA | C1C-NC | -2.02 | 1.34 | 1.37 |
| 11 | 16 | 302 | CLA | C4C-C3C | 2.02 | 1.48 | 1.45 |
| 11 | 12 | 312 | CLA | C1B-CHB | 2.02 | 1.46 | 1.41 |
| 11 | 7 | 305 | CLA | C1A-CHA | 2.02 | 1.51 | 1.43 |
| 11 | 16 | 303 | CLA | C1B-CHB | 2.02 | 1.46 | 1.41 |
| 11 | 7 | 308 | CLA | C1B-CHB | 2.02 | 1.46 | 1.41 |
| 11 | 10 | 307 | CLA | C4C-C3C | 2.02 | 1.48 | 1.45 |
| 11 | 13 | 301 | CLA | C1A-CHA | 2.02 | 1.51 | 1.43 |
| 13 | 7 | 313 | DD6 | C22-C16 | -2.02 | 1.49 | 1.53 |
| 11 | 6 | 313 | CLA | C4B-CHC | 2.02 | 1.46 | 1.41 |
| 11 | 15 | 314 | CLA | C4B-NB | -2.02 | 1.33 | 1.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 14 | 14 | 317 | A86 | O4-C34 | -2.02 | 1.41 | 1.46 |
| 11 | 10 | 309 | CLA | C1C-NC | -2.02 | 1.34 | 1.37 |
| 16 | 7 | 319 | LMG | O4-C4 | -2.02 | 1.38 | 1.43 |
| 11 | 12 | 307 | CLA | C1B-CHB | 2.02 | 1.46 | 1.41 |
| 12 | 11 | 310 | KC1 | C1D-CHD | 2.02 | 1.46 | 1.41 |
| 12 | 10 | 312 | KC1 | C1D-CHD | 2.02 | 1.46 | 1.41 |
| 11 | 7 | 306 | CLA | C1C-NC | -2.01 | 1.34 | 1.37 |
| 11 | 16 | 306 | CLA | C1B-CHB | 2.01 | 1.46 | 1.41 |
| 11 | 12 | 310 | CLA | C1C-NC | -2.01 | 1.34 | 1.37 |
| 12 | 7 | 307 | KC1 | CAA-C2A | 2.01 | 1.52 | 1.46 |
| 11 | 10 | 307 | CLA | C1A-CHA | 2.01 | 1.51 | 1.43 |
| 11 | 12 | 304 | CLA | C1B-CHB | 2.01 | 1.46 | 1.41 |
| 12 | 13 | 305 | KC1 | C1D-CHD | 2.01 | 1.46 | 1.41 |
| 13 | 10 | 314 | DD6 | O1-C20 | 2.01 | 1.49 | 1.46 |
| 14 | 15 | 322 | A86 | C4-C3 | 2.01 | 1.41 | 1.36 |
| 11 | 10 | 303 | CLA | C1A-CHA | 2.01 | 1.51 | 1.43 |
| 11 | 8 | 301 | CLA | C4B-CHC | 2.01 | 1.46 | 1.41 |
| 11 | 12 | 304 | CLA | C4C-C3C | 2.01 | 1.48 | 1.45 |
| 13 | 10 | 313 | DD6 | C29-C27 | -2.00 | 1.38 | 1.42 |
| 14 | 16 | 314 | A86 | O4-C34 | -2.00 | 1.41 | 1.46 |
| 12 | 13 | 306 | KC1 | C3B-C4B | 2.00 | 1.49 | 1.46 |
| 11 | 13 | 307 | CLA | C1A-CHA | 2.00 | 1.51 | 1.43 |
| 11 | 12 | 310 | CLA | C4C-C3C | 2.00 | 1.48 | 1.45 |
| 11 | 16 | 308 | CLA | C1B-NB | -2.00 | 1.33 | 1.35 |

All (4528) bond angle outliers are listed below:

| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|------------|-------|-------------|----------|
| 14 | 14 | 315 | A86 | O1-C20-C19 | 58.19 | 157.09 | 113.38 |
| 14 | 14 | 317 | A86 | O1-C20-C19 | 57.22 | 156.37 | 113.38 |
| 14 | 15 | 321 | A86 | O1-C20-C19 | 57.11 | 156.29 | 113.38 |
| 14 | 8 | 318 | A86 | O1-C20-C19 | 56.82 | 156.07 | 113.38 |
| 14 | 16 | 314 | A86 | O1-C20-C19 | 56.19 | 155.59 | 113.38 |
| 14 | 14 | 318 | A86 | O1-C20-C19 | 55.93 | 155.40 | 113.38 |
| 14 | 15 | 317 | A86 | O1-C20-C19 | 55.82 | 155.31 | 113.38 |
| 14 | 10 | 302 | A86 | O1-C20-C19 | 55.62 | 155.16 | 113.38 |
| 14 | 14 | 321 | A86 | O1-C20-C19 | 55.47 | 155.05 | 113.38 |
| 14 | 11 | 315 | A86 | O1-C20-C19 | 55.41 | 155.00 | 113.38 |
| 14 | 15 | 322 | A86 | O1-C20-C19 | 55.02 | 154.71 | 113.38 |
| 14 | 13 | 315 | A86 | O1-C20-C19 | 54.96 | 154.67 | 113.38 |
| 14 | 12 | 316 | A86 | O1-C20-C19 | 54.71 | 154.48 | 113.38 |
| 14 | 13 | 313 | A86 | O1-C20-C19 | 54.68 | 154.46 | 113.38 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|------------|--------|-------------|----------|
| 14 | 11 | 313 | A86 | O1-C20-C19 | 54.59 | 154.39 | 113.38 |
| 14 | 11 | 301 | A86 | O1-C20-C19 | 54.29 | 154.17 | 113.38 |
| 14 | 14 | 319 | A86 | O1-C20-C19 | 54.19 | 154.09 | 113.38 |
| 14 | 15 | 320 | A86 | O1-C20-C19 | 54.10 | 154.02 | 113.38 |
| 14 | 10 | 315 | A86 | O1-C20-C19 | 54.05 | 153.98 | 113.38 |
| 14 | 10 | 317 | A86 | O1-C20-C19 | 53.96 | 153.92 | 113.38 |
| 14 | 8 | 315 | A86 | O1-C20-C19 | 53.81 | 153.81 | 113.38 |
| 14 | 14 | 316 | A86 | O1-C20-C19 | 53.67 | 153.70 | 113.38 |
| 14 | 12 | 314 | A86 | O1-C20-C19 | 53.66 | 153.69 | 113.38 |
| 14 | 14 | 314 | A86 | O1-C20-C19 | 52.94 | 153.15 | 113.38 |
| 14 | 14 | 301 | A86 | O1-C20-C19 | 52.18 | 152.58 | 113.38 |
| 14 | 16 | 312 | A86 | O1-C20-C19 | 52.17 | 152.57 | 113.38 |
| 14 | 15 | 315 | A86 | O1-C20-C19 | 51.61 | 152.15 | 113.38 |
| 14 | 15 | 316 | A86 | O1-C20-C19 | 51.37 | 151.97 | 113.38 |
| 14 | 10 | 316 | A86 | O1-C20-C19 | 51.35 | 151.96 | 113.38 |
| 14 | 7 | 314 | A86 | O1-C20-C19 | 51.06 | 151.74 | 113.38 |
| 14 | 7 | 318 | A86 | O1-C20-C19 | 50.35 | 151.20 | 113.38 |
| 14 | 7 | 315 | A86 | O1-C20-C19 | 50.04 | 150.97 | 113.38 |
| 14 | 11 | 314 | A86 | O1-C20-C19 | 47.63 | 149.16 | 113.38 |
| 14 | 14 | 320 | A86 | O1-C20-C19 | 44.99 | 147.18 | 113.38 |
| 14 | 10 | 301 | A86 | O1-C20-C19 | 44.23 | 146.61 | 113.38 |
| 14 | 6 | 317 | A86 | O1-C20-C19 | 43.81 | 146.29 | 113.38 |
| 14 | 8 | 318 | A86 | C-C1-C2 | -33.41 | 76.12 | 122.92 |
| 13 | 7 | 313 | DD6 | O1-C20-C19 | 31.54 | 137.08 | 113.38 |
| 13 | 8 | 317 | DD6 | O1-C20-C19 | 31.10 | 136.75 | 113.38 |
| 13 | 13 | 314 | DD6 | O1-C20-C19 | 30.74 | 136.47 | 113.38 |
| 13 | 12 | 317 | DD6 | O1-C20-C19 | 30.57 | 136.35 | 113.38 |
| 13 | 16 | 313 | DD6 | O1-C20-C19 | 30.53 | 136.32 | 113.38 |
| 13 | 15 | 318 | DD6 | O1-C20-C19 | 30.49 | 136.29 | 113.38 |
| 13 | 12 | 315 | DD6 | O1-C20-C19 | 30.41 | 136.23 | 113.38 |
| 13 | 10 | 313 | DD6 | O1-C20-C19 | 29.94 | 135.87 | 113.38 |
| 13 | 11 | 312 | DD6 | O1-C20-C19 | 29.87 | 135.82 | 113.38 |
| 13 | 8 | 316 | DD6 | O1-C20-C19 | 29.53 | 135.56 | 113.38 |
| 13 | 7 | 301 | DD6 | O1-C20-C19 | 28.79 | 135.01 | 113.38 |
| 13 | 6 | 316 | DD6 | O1-C20-C19 | 28.47 | 134.77 | 113.38 |
| 13 | 7 | 317 | DD6 | O1-C20-C19 | 28.35 | 134.68 | 113.38 |
| 13 | 15 | 319 | DD6 | O1-C20-C19 | 27.73 | 134.21 | 113.38 |
| 13 | 6 | 318 | DD6 | O1-C20-C19 | 27.59 | 134.11 | 113.38 |
| 13 | 10 | 314 | DD6 | O1-C20-C19 | 27.35 | 133.93 | 113.38 |
| 13 | 6 | 315 | DD6 | O1-C20-C19 | 27.16 | 133.78 | 113.38 |
| 13 | 7 | 316 | DD6 | O1-C20-C19 | 26.76 | 133.48 | 113.38 |
| 14 | 8 | 318 | A86 | C-C1-C24 | -26.33 | 76.60 | 118.08 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|--------|-------------|----------|
| 14 | 8 | 318 | A86 | C24-C1-C2 | 22.00 | 152.69 | 118.94 |
| 11 | 8 | 305 | CLA | C4-C3-C5 | -21.13 | 79.73 | 115.27 |
| 12 | 12 | 313 | KC1 | C2A-C3A-C4A | -20.42 | 91.34 | 106.49 |
| 11 | 8 | 305 | CLA | C5-C3-C2 | 18.97 | 159.51 | 121.12 |
| 13 | 7 | 313 | DD6 | C28-C27-C29 | 18.21 | 152.90 | 116.84 |
| 13 | 7 | 316 | DD6 | C28-C27-C29 | 17.73 | 151.95 | 116.84 |
| 13 | 11 | 312 | DD6 | C28-C27-C29 | 17.25 | 151.00 | 116.84 |
| 13 | 8 | 316 | DD6 | C28-C27-C29 | 17.24 | 150.99 | 116.84 |
| 13 | 10 | 314 | DD6 | C28-C27-C29 | 17.24 | 150.98 | 116.84 |
| 13 | 7 | 317 | DD6 | C28-C27-C29 | 17.22 | 150.94 | 116.84 |
| 13 | 12 | 317 | DD6 | C28-C27-C29 | 17.11 | 150.72 | 116.84 |
| 11 | 8 | 305 | CLA | C4-C3-C2 | -17.08 | 79.87 | 123.68 |
| 13 | 6 | 315 | DD6 | C28-C27-C29 | 17.03 | 150.58 | 116.84 |
| 13 | 6 | 316 | DD6 | C28-C27-C29 | 16.87 | 150.26 | 116.84 |
| 13 | 6 | 318 | DD6 | C28-C27-C29 | 16.78 | 150.07 | 116.84 |
| 13 | 13 | 314 | DD6 | C28-C27-C29 | 16.68 | 149.87 | 116.84 |
| 13 | 16 | 313 | DD6 | C28-C27-C29 | 16.59 | 149.70 | 116.84 |
| 13 | 10 | 313 | DD6 | C28-C27-C29 | 16.47 | 149.45 | 116.84 |
| 13 | 15 | 318 | DD6 | C28-C27-C29 | 16.42 | 149.35 | 116.84 |
| 13 | 12 | 315 | DD6 | C28-C27-C29 | 16.13 | 148.78 | 116.84 |
| 13 | 15 | 319 | DD6 | C28-C27-C29 | 16.12 | 148.76 | 116.84 |
| 13 | 8 | 317 | DD6 | C28-C27-C29 | 16.11 | 148.74 | 116.84 |
| 13 | 7 | 301 | DD6 | C28-C27-C29 | 16.09 | 148.71 | 116.84 |
| 13 | 15 | 319 | DD6 | C29-C30-C31 | -15.82 | 135.37 | 175.43 |
| 13 | 11 | 312 | DD6 | C29-C30-C31 | -15.41 | 136.41 | 175.43 |
| 13 | 12 | 317 | DD6 | C29-C30-C31 | -15.36 | 136.55 | 175.43 |
| 13 | 12 | 315 | DD6 | C29-C30-C31 | -15.02 | 137.41 | 175.43 |
| 13 | 7 | 313 | DD6 | C29-C30-C31 | -14.62 | 138.41 | 175.43 |
| 13 | 8 | 317 | DD6 | C29-C30-C31 | -14.57 | 138.53 | 175.43 |
| 13 | 6 | 318 | DD6 | C29-C30-C31 | -14.56 | 138.56 | 175.43 |
| 13 | 15 | 318 | DD6 | C29-C30-C31 | -14.51 | 138.69 | 175.43 |
| 13 | 10 | 313 | DD6 | C29-C30-C31 | -14.40 | 138.96 | 175.43 |
| 13 | 13 | 314 | DD6 | C29-C30-C31 | -14.40 | 138.97 | 175.43 |
| 13 | 6 | 315 | DD6 | C29-C30-C31 | -14.36 | 139.07 | 175.43 |
| 13 | 16 | 313 | DD6 | C29-C30-C31 | -14.32 | 139.16 | 175.43 |
| 13 | 10 | 314 | DD6 | C29-C30-C31 | -14.22 | 139.41 | 175.43 |
| 13 | 7 | 301 | DD6 | C29-C30-C31 | -14.01 | 139.95 | 175.43 |
| 13 | 7 | 317 | DD6 | C29-C30-C31 | -13.95 | 140.12 | 175.43 |
| 13 | 8 | 316 | DD6 | C29-C30-C31 | -13.79 | 140.52 | 175.43 |
| 13 | 8 | 316 | DD6 | C12-C11-C10 | -13.69 | 103.74 | 122.92 |
| 13 | 6 | 316 | DD6 | C29-C30-C31 | -13.39 | 141.52 | 175.43 |
| 13 | 16 | 313 | DD6 | C37-C36-C31 | -13.37 | 106.17 | 124.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|--------|-------------|----------|
| 14 | 6 | 317 | A86 | O1-C15-C14 | -13.30 | 86.52 | 113.21 |
| 13 | 7 | 316 | DD6 | C37-C36-C31 | -13.24 | 106.35 | 124.35 |
| 13 | 12 | 315 | DD6 | C37-C36-C31 | -12.96 | 106.74 | 124.35 |
| 13 | 10 | 313 | DD6 | C37-C36-C31 | -12.95 | 106.76 | 124.35 |
| 13 | 8 | 317 | DD6 | C37-C36-C31 | -12.90 | 106.83 | 124.35 |
| 13 | 7 | 316 | DD6 | C29-C30-C31 | -12.79 | 143.05 | 175.43 |
| 13 | 6 | 318 | DD6 | C37-C36-C31 | -12.76 | 107.01 | 124.35 |
| 13 | 13 | 314 | DD6 | C12-C11-C10 | -12.66 | 105.18 | 122.92 |
| 13 | 11 | 312 | DD6 | C37-C36-C31 | -12.60 | 107.22 | 124.35 |
| 14 | 11 | 315 | A86 | C21-C20-C19 | -12.60 | 100.10 | 114.28 |
| 13 | 10 | 313 | DD6 | C12-C11-C10 | -12.59 | 105.29 | 122.92 |
| 14 | 15 | 321 | A86 | C21-C20-C19 | -12.58 | 100.12 | 114.28 |
| 14 | 12 | 316 | A86 | C21-C20-C19 | -12.56 | 100.15 | 114.28 |
| 14 | 16 | 314 | A86 | O1-C20-C21 | -12.48 | 100.10 | 115.06 |
| 13 | 10 | 314 | DD6 | C37-C36-C31 | -12.47 | 107.40 | 124.35 |
| 12 | 12 | 313 | KC1 | CMA-C3A-C4A | -12.44 | 106.09 | 125.04 |
| 13 | 12 | 317 | DD6 | C37-C36-C31 | -12.38 | 107.52 | 124.35 |
| 14 | 15 | 322 | A86 | C21-C20-C19 | -12.29 | 100.45 | 114.28 |
| 12 | 10 | 306 | KC1 | CMA-C3A-C4A | -12.19 | 106.47 | 125.04 |
| 13 | 7 | 313 | DD6 | C13-C11-C10 | -12.19 | 100.24 | 118.94 |
| 14 | 14 | 315 | A86 | C21-C20-C19 | -12.15 | 100.61 | 114.28 |
| 13 | 8 | 316 | DD6 | C37-C36-C31 | -12.10 | 107.91 | 124.35 |
| 14 | 11 | 313 | A86 | C21-C20-C19 | -12.10 | 100.67 | 114.28 |
| 14 | 10 | 316 | A86 | C21-C20-C19 | -12.08 | 100.69 | 114.28 |
| 13 | 7 | 317 | DD6 | C9-C10-C11 | -12.01 | 110.18 | 127.31 |
| 14 | 10 | 301 | A86 | C17-C16-C15 | 11.94 | 121.35 | 109.16 |
| 14 | 14 | 316 | A86 | C21-C20-C19 | -11.90 | 100.89 | 114.28 |
| 13 | 7 | 301 | DD6 | C37-C36-C31 | -11.89 | 108.19 | 124.35 |
| 13 | 6 | 318 | DD6 | C9-C10-C11 | -11.88 | 110.35 | 127.31 |
| 13 | 7 | 316 | DD6 | C9-C10-C11 | -11.85 | 110.40 | 127.31 |
| 14 | 8 | 318 | A86 | O1-C20-C21 | -11.80 | 100.91 | 115.06 |
| 12 | 12 | 311 | KC1 | CMA-C3A-C4A | -11.69 | 107.23 | 125.04 |
| 12 | 8 | 307 | KC1 | CMA-C3A-C4A | -11.68 | 107.26 | 125.04 |
| 13 | 13 | 314 | DD6 | C37-C36-C31 | -11.67 | 108.49 | 124.35 |
| 12 | 8 | 311 | KC1 | CMA-C3A-C4A | -11.58 | 107.41 | 125.04 |
| 12 | 6 | 308 | KC1 | CMA-C3A-C4A | -11.55 | 107.45 | 125.04 |
| 14 | 14 | 314 | A86 | C21-C20-C19 | -11.49 | 101.36 | 114.28 |
| 12 | 16 | 311 | KC1 | C2A-C3A-C4A | -11.49 | 97.96 | 106.49 |
| 14 | 7 | 318 | A86 | C17-C16-C15 | 11.46 | 120.85 | 109.16 |
| 14 | 14 | 317 | A86 | C21-C20-C19 | -11.44 | 101.41 | 114.28 |
| 13 | 7 | 317 | DD6 | C37-C36-C31 | -11.41 | 108.84 | 124.35 |
| 13 | 6 | 316 | DD6 | C12-C11-C10 | -11.41 | 106.94 | 122.92 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|--------|-------------|----------|
| 14 | 16 | 312 | A86 | C4-C5-C6 | -11.40 | 111.04 | 127.31 |
| 13 | 10 | 313 | DD6 | C9-C10-C11 | -11.38 | 111.06 | 127.31 |
| 14 | 14 | 318 | A86 | C21-C20-C19 | -11.37 | 101.49 | 114.28 |
| 14 | 15 | 315 | A86 | C21-C20-C19 | -11.33 | 101.53 | 114.28 |
| 12 | 12 | 309 | KC1 | C2A-C3A-C4A | -11.33 | 98.08 | 106.49 |
| 13 | 7 | 313 | DD6 | C12-C11-C10 | -11.27 | 107.13 | 122.92 |
| 14 | 10 | 317 | A86 | C21-C20-C19 | -11.26 | 101.61 | 114.28 |
| 12 | 6 | 305 | KC1 | CMA-C3A-C4A | -11.24 | 107.92 | 125.04 |
| 14 | 10 | 315 | A86 | C21-C20-C19 | -11.23 | 101.65 | 114.28 |
| 12 | 10 | 312 | KC1 | CMA-C3A-C4A | -11.22 | 107.95 | 125.04 |
| 14 | 15 | 320 | A86 | C21-C20-C19 | -11.21 | 101.67 | 114.28 |
| 13 | 10 | 314 | DD6 | C13-C11-C10 | -11.20 | 101.75 | 118.94 |
| 12 | 8 | 313 | KC1 | CMA-C3A-C4A | -11.19 | 108.00 | 125.04 |
| 14 | 14 | 301 | A86 | C33-C32-C31 | 11.19 | 120.08 | 109.21 |
| 13 | 6 | 315 | DD6 | C37-C36-C31 | -11.18 | 109.16 | 124.35 |
| 13 | 15 | 318 | DD6 | C37-C36-C31 | -11.17 | 109.17 | 124.35 |
| 14 | 14 | 317 | A86 | O1-C20-C21 | -11.16 | 101.68 | 115.06 |
| 12 | 11 | 304 | KC1 | CMA-C3A-C4A | -11.13 | 108.08 | 125.04 |
| 13 | 7 | 313 | DD6 | C37-C36-C31 | -11.13 | 109.22 | 124.35 |
| 14 | 15 | 317 | A86 | O1-C20-C21 | -11.11 | 101.74 | 115.06 |
| 13 | 11 | 312 | DD6 | C9-C10-C11 | -11.09 | 111.48 | 127.31 |
| 13 | 15 | 319 | DD6 | C-C1-C2 | -11.09 | 107.39 | 122.92 |
| 13 | 7 | 316 | DD6 | C3-C2-C1 | -11.09 | 111.49 | 127.31 |
| 14 | 14 | 321 | A86 | O1-C20-C21 | -11.02 | 101.85 | 115.06 |
| 14 | 14 | 315 | A86 | O1-C20-C21 | -11.01 | 101.87 | 115.06 |
| 14 | 13 | 315 | A86 | C21-C20-C19 | -10.97 | 101.94 | 114.28 |
| 14 | 14 | 319 | A86 | C21-C20-C19 | -10.91 | 102.00 | 114.28 |
| 13 | 12 | 317 | DD6 | C12-C11-C10 | -10.90 | 107.65 | 122.92 |
| 13 | 6 | 316 | DD6 | C37-C36-C31 | -10.90 | 109.54 | 124.35 |
| 12 | 6 | 309 | KC1 | CMA-C3A-C4A | -10.86 | 108.50 | 125.04 |
| 14 | 14 | 320 | A86 | C17-C16-C15 | 10.83 | 120.21 | 109.16 |
| 13 | 13 | 314 | DD6 | C13-C11-C10 | -10.78 | 102.40 | 118.94 |
| 14 | 8 | 315 | A86 | C21-C20-C19 | -10.78 | 102.15 | 114.28 |
| 13 | 7 | 316 | DD6 | C12-C11-C10 | -10.78 | 107.82 | 122.92 |
| 14 | 10 | 301 | A86 | C25-C26-C27 | -10.76 | 111.95 | 127.31 |
| 13 | 15 | 319 | DD6 | C3-C2-C1 | -10.75 | 111.97 | 127.31 |
| 14 | 10 | 302 | A86 | C21-C20-C19 | -10.75 | 102.19 | 114.28 |
| 12 | 8 | 310 | KC1 | CMA-C3A-C4A | -10.74 | 108.68 | 125.04 |
| 13 | 11 | 312 | DD6 | C4-C5-C6 | -10.73 | 111.99 | 127.31 |
| 12 | 13 | 308 | KC1 | CMA-C3A-C4A | -10.73 | 108.70 | 125.04 |
| 12 | 11 | 310 | KC1 | CMA-C3A-C4A | -10.72 | 108.71 | 125.04 |
| 13 | 16 | 313 | DD6 | C12-C11-C10 | -10.71 | 107.92 | 122.92 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|--------|-------------|----------|
| 14 | 13 | 313 | A86 | O1-C20-C21 | -10.70 | 102.24 | 115.06 |
| 14 | 11 | 301 | A86 | C21-C20-C19 | -10.70 | 102.25 | 114.28 |
| 14 | 14 | 321 | A86 | C21-C20-C19 | -10.69 | 102.25 | 114.28 |
| 14 | 14 | 318 | A86 | O1-C20-C21 | -10.69 | 102.24 | 115.06 |
| 14 | 10 | 302 | A86 | O1-C20-C21 | -10.66 | 102.28 | 115.06 |
| 14 | 16 | 312 | A86 | C21-C20-C19 | -10.65 | 102.30 | 114.28 |
| 12 | 11 | 306 | KC1 | CMA-C3A-C4A | -10.64 | 108.83 | 125.04 |
| 14 | 15 | 317 | A86 | C21-C20-C19 | -10.63 | 102.32 | 114.28 |
| 13 | 7 | 301 | DD6 | C9-C10-C11 | -10.61 | 112.17 | 127.31 |
| 13 | 15 | 319 | DD6 | C9-C10-C11 | -10.61 | 112.17 | 127.31 |
| 14 | 8 | 318 | A86 | C21-C20-C19 | -10.60 | 102.35 | 114.28 |
| 14 | 13 | 313 | A86 | C21-C20-C19 | -10.59 | 102.37 | 114.28 |
| 13 | 7 | 317 | DD6 | C12-C11-C10 | -10.58 | 108.10 | 122.92 |
| 13 | 6 | 318 | DD6 | C12-C11-C10 | -10.57 | 108.11 | 122.92 |
| 14 | 13 | 315 | A86 | O1-C20-C21 | -10.57 | 102.39 | 115.06 |
| 12 | 13 | 310 | KC1 | CMA-C3A-C4A | -10.57 | 108.95 | 125.04 |
| 12 | 12 | 305 | KC1 | CMA-C3A-C4A | -10.57 | 108.95 | 125.04 |
| 12 | 10 | 310 | KC1 | CMA-C3A-C4A | -10.56 | 108.96 | 125.04 |
| 12 | 13 | 312 | KC1 | CMA-C3A-C4A | -10.52 | 109.01 | 125.04 |
| 13 | 8 | 317 | DD6 | C12-C11-C10 | -10.51 | 108.20 | 122.92 |
| 13 | 8 | 317 | DD6 | C13-C11-C10 | -10.50 | 102.83 | 118.94 |
| 12 | 7 | 312 | KC1 | CMA-C3A-C4A | -10.49 | 109.07 | 125.04 |
| 13 | 6 | 315 | DD6 | C3-C2-C1 | -10.47 | 112.36 | 127.31 |
| 12 | 10 | 310 | KC1 | C2A-C3A-C4A | -10.47 | 98.72 | 106.49 |
| 13 | 16 | 313 | DD6 | C13-C11-C10 | -10.46 | 102.89 | 118.94 |
| 13 | 12 | 317 | DD6 | C3-C2-C1 | -10.41 | 112.46 | 127.31 |
| 14 | 11 | 301 | A86 | O1-C20-C21 | -10.40 | 102.59 | 115.06 |
| 14 | 7 | 314 | A86 | C21-C20-C19 | -10.39 | 102.60 | 114.28 |
| 12 | 6 | 310 | KC1 | CMA-C3A-C4A | -10.37 | 109.25 | 125.04 |
| 13 | 15 | 319 | DD6 | C12-C11-C10 | -10.36 | 108.41 | 122.92 |
| 13 | 15 | 318 | DD6 | C4-C5-C6 | -10.36 | 112.53 | 127.31 |
| 12 | 14 | 311 | KC1 | CMA-C3A-C4A | -10.35 | 109.27 | 125.04 |
| 12 | 13 | 305 | KC1 | CMA-C3A-C4A | -10.34 | 109.29 | 125.04 |
| 14 | 14 | 314 | A86 | C33-C32-C31 | 10.34 | 119.26 | 109.21 |
| 14 | 12 | 314 | A86 | C21-C20-C19 | -10.33 | 102.65 | 114.28 |
| 14 | 15 | 321 | A86 | O1-C20-C21 | -10.30 | 102.71 | 115.06 |
| 12 | 8 | 313 | KC1 | C2A-C3A-C4A | -10.28 | 98.86 | 106.49 |
| 14 | 14 | 319 | A86 | O1-C20-C21 | -10.28 | 102.74 | 115.06 |
| 13 | 6 | 315 | DD6 | C4-C5-C6 | -10.25 | 112.68 | 127.31 |
| 13 | 10 | 314 | DD6 | C4-C5-C6 | -10.23 | 112.72 | 127.31 |
| 11 | 14 | 307 | CLA | C1D-ND-C4D | -10.20 | 99.09 | 106.33 |
| 14 | 11 | 314 | A86 | C33-C32-C31 | 10.19 | 119.11 | 109.21 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|--------|-------------|----------|
| 14 | 15 | 315 | A86 | C3-C2-C1 | -10.18 | 112.78 | 127.31 |
| 14 | 13 | 315 | A86 | C33-C32-C31 | 10.17 | 119.10 | 109.21 |
| 13 | 6 | 315 | DD6 | C9-C10-C11 | -10.17 | 112.80 | 127.31 |
| 11 | 16 | 303 | CLA | C1D-ND-C4D | -10.16 | 99.12 | 106.33 |
| 12 | 11 | 306 | KC1 | C2A-C3A-C4A | -10.14 | 98.97 | 106.49 |
| 13 | 7 | 313 | DD6 | C3-C2-C1 | -10.12 | 112.87 | 127.31 |
| 12 | 8 | 306 | KC1 | CMA-C3A-C4A | -10.10 | 109.66 | 125.04 |
| 14 | 12 | 314 | A86 | O1-C20-C21 | -10.09 | 102.96 | 115.06 |
| 12 | 7 | 307 | KC1 | CMA-C3A-C4A | -10.08 | 109.68 | 125.04 |
| 13 | 6 | 315 | DD6 | C12-C11-C10 | -10.08 | 108.81 | 122.92 |
| 12 | 6 | 310 | KC1 | C2A-C3A-C4A | -10.07 | 99.02 | 106.49 |
| 14 | 14 | 301 | A86 | C21-C20-C19 | -10.06 | 102.97 | 114.28 |
| 11 | 15 | 302 | CLA | C1D-ND-C4D | -10.04 | 99.20 | 106.33 |
| 13 | 10 | 313 | DD6 | C3-C2-C1 | -10.02 | 113.01 | 127.31 |
| 12 | 14 | 308 | KC1 | C2A-C3A-C4A | -10.02 | 99.05 | 106.49 |
| 13 | 12 | 317 | DD6 | C9-C10-C11 | -10.01 | 113.02 | 127.31 |
| 14 | 7 | 314 | A86 | C17-C16-C15 | 10.01 | 119.37 | 109.16 |
| 13 | 11 | 312 | DD6 | C7-C6-C5 | -9.99 | 108.93 | 122.92 |
| 13 | 10 | 313 | DD6 | C8-C6-C5 | -9.92 | 103.71 | 118.94 |
| 14 | 14 | 301 | A86 | O1-C20-C21 | -9.92 | 103.17 | 115.06 |
| 13 | 15 | 319 | DD6 | C4-C5-C6 | -9.91 | 113.17 | 127.31 |
| 12 | 13 | 306 | KC1 | CMA-C3A-C4A | -9.89 | 109.97 | 125.04 |
| 12 | 14 | 311 | KC1 | C2A-C3A-C4A | -9.88 | 99.16 | 106.49 |
| 11 | 15 | 314 | CLA | C1D-ND-C4D | -9.87 | 99.32 | 106.33 |
| 13 | 15 | 319 | DD6 | C37-C36-C31 | -9.86 | 110.95 | 124.35 |
| 12 | 13 | 308 | KC1 | C2A-C3A-C4A | -9.86 | 99.17 | 106.49 |
| 11 | 11 | 303 | CLA | C1D-ND-C4D | -9.83 | 99.35 | 106.33 |
| 12 | 7 | 307 | KC1 | C2A-C3A-C4A | -9.80 | 99.22 | 106.49 |
| 14 | 7 | 318 | A86 | C21-C20-C19 | -9.79 | 103.26 | 114.28 |
| 13 | 15 | 318 | DD6 | C9-C10-C11 | -9.79 | 113.33 | 127.31 |
| 12 | 13 | 305 | KC1 | C2A-C3A-C4A | -9.78 | 99.23 | 106.49 |
| 14 | 6 | 317 | A86 | C17-C16-C15 | 9.77 | 119.13 | 109.16 |
| 13 | 6 | 316 | DD6 | C9-C10-C11 | -9.75 | 113.40 | 127.31 |
| 14 | 7 | 315 | A86 | C21-C20-C19 | -9.75 | 103.32 | 114.28 |
| 11 | 7 | 306 | CLA | C1D-ND-C4D | -9.74 | 99.41 | 106.33 |
| 12 | 14 | 306 | KC1 | CMA-C3A-C4A | -9.73 | 110.22 | 125.04 |
| 14 | 8 | 315 | A86 | O1-C20-C21 | -9.73 | 103.39 | 115.06 |
| 14 | 15 | 316 | A86 | C21-C20-C19 | -9.73 | 103.34 | 114.28 |
| 14 | 10 | 315 | A86 | O1-C20-C21 | -9.73 | 103.40 | 115.06 |
| 14 | 10 | 317 | A86 | O1-C20-C21 | -9.70 | 103.43 | 115.06 |
| 12 | 11 | 310 | KC1 | C2A-C3A-C4A | -9.70 | 99.29 | 106.49 |
| 14 | 14 | 315 | A86 | C4-C5-C6 | -9.70 | 113.47 | 127.31 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 13 | 16 | 313 | DD6 | C3-C2-C1 | -9.70 | 113.47 | 127.31 |
| 13 | 11 | 312 | DD6 | C3-C2-C1 | -9.69 | 113.48 | 127.31 |
| 12 | 6 | 308 | KC1 | C2A-C3A-C4A | -9.67 | 99.31 | 106.49 |
| 11 | 7 | 304 | CLA | C1D-ND-C4D | -9.67 | 99.47 | 106.33 |
| 13 | 7 | 317 | DD6 | C-C1-C2 | -9.66 | 109.39 | 122.92 |
| 12 | 14 | 308 | KC1 | CMA-C3A-C4A | -9.66 | 110.33 | 125.04 |
| 14 | 15 | 316 | A86 | O1-C20-C21 | -9.66 | 103.48 | 115.06 |
| 12 | 10 | 312 | KC1 | C2A-C3A-C4A | -9.66 | 99.32 | 106.49 |
| 14 | 15 | 320 | A86 | O1-C20-C21 | -9.65 | 103.49 | 115.06 |
| 13 | 15 | 319 | DD6 | C7-C6-C5 | -9.61 | 109.47 | 122.92 |
| 14 | 15 | 322 | A86 | O1-C20-C21 | -9.59 | 103.56 | 115.06 |
| 11 | 10 | 308 | CLA | C1D-ND-C4D | -9.59 | 99.52 | 106.33 |
| 13 | 12 | 315 | DD6 | C12-C11-C10 | -9.58 | 109.51 | 122.92 |
| 12 | 14 | 306 | KC1 | C2A-C3A-C4A | -9.57 | 99.39 | 106.49 |
| 12 | 12 | 305 | KC1 | C2A-C3A-C4A | -9.57 | 99.39 | 106.49 |
| 14 | 14 | 314 | A86 | C4-C5-C6 | -9.56 | 113.66 | 127.31 |
| 13 | 15 | 318 | DD6 | C12-C11-C10 | -9.55 | 109.54 | 122.92 |
| 13 | 7 | 301 | DD6 | C4-C5-C6 | -9.54 | 113.69 | 127.31 |
| 13 | 13 | 314 | DD6 | C3-C2-C1 | -9.54 | 113.69 | 127.31 |
| 11 | 15 | 309 | CLA | C1D-ND-C4D | -9.54 | 99.56 | 106.33 |
| 13 | 7 | 317 | DD6 | C3-C2-C1 | -9.53 | 113.71 | 127.31 |
| 13 | 8 | 316 | DD6 | C4-C5-C6 | -9.53 | 113.71 | 127.31 |
| 13 | 10 | 313 | DD6 | C7-C6-C5 | -9.52 | 109.58 | 122.92 |
| 11 | 13 | 303 | CLA | C1D-ND-C4D | -9.52 | 99.57 | 106.33 |
| 14 | 11 | 313 | A86 | O1-C20-C21 | -9.50 | 103.68 | 115.06 |
| 13 | 6 | 318 | DD6 | C4-C5-C6 | -9.49 | 113.76 | 127.31 |
| 11 | 7 | 302 | CLA | C1D-ND-C4D | -9.49 | 99.60 | 106.33 |
| 13 | 16 | 313 | DD6 | C-C1-C2 | -9.49 | 109.63 | 122.92 |
| 11 | 16 | 301 | CLA | C1D-ND-C4D | -9.48 | 99.60 | 106.33 |
| 14 | 16 | 314 | A86 | C21-C20-C19 | -9.47 | 103.62 | 114.28 |
| 12 | 13 | 310 | KC1 | C2A-C3A-C4A | -9.46 | 99.47 | 106.49 |
| 13 | 15 | 318 | DD6 | C7-C6-C5 | -9.44 | 109.70 | 122.92 |
| 11 | 10 | 309 | CLA | C1D-ND-C4D | -9.41 | 99.65 | 106.33 |
| 11 | 12 | 302 | CLA | C1D-ND-C4D | -9.41 | 99.65 | 106.33 |
| 11 | 8 | 305 | CLA | C1D-ND-C4D | -9.40 | 99.66 | 106.33 |
| 13 | 12 | 315 | DD6 | C4-C5-C6 | -9.40 | 113.89 | 127.31 |
| 11 | 12 | 310 | CLA | C1D-ND-C4D | -9.39 | 99.67 | 106.33 |
| 12 | 7 | 312 | KC1 | C2A-C3A-C4A | -9.38 | 99.53 | 106.49 |
| 11 | 14 | 313 | CLA | C1D-ND-C4D | -9.38 | 99.67 | 106.33 |
| 13 | 7 | 301 | DD6 | C12-C11-C10 | -9.38 | 109.79 | 122.92 |
| 13 | 12 | 317 | DD6 | C-C1-C2 | -9.37 | 109.79 | 122.92 |
| 13 | 8 | 317 | DD6 | C8-C6-C5 | -9.37 | 104.56 | 118.94 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 11 | 308 | CLA | C1D-ND-C4D | -9.36 | 99.68 | 106.33 |
| 12 | 13 | 312 | KC1 | C2A-C3A-C4A | -9.34 | 99.55 | 106.49 |
| 14 | 11 | 314 | A86 | C21-C20-C19 | -9.34 | 103.78 | 114.28 |
| 13 | 13 | 314 | DD6 | C4-C5-C6 | -9.33 | 114.00 | 127.31 |
| 11 | 14 | 310 | CLA | C1D-ND-C4D | -9.33 | 99.71 | 106.33 |
| 14 | 14 | 317 | A86 | C33-C32-C31 | 9.32 | 118.27 | 109.21 |
| 13 | 7 | 317 | DD6 | C4-C5-C6 | -9.32 | 114.02 | 127.31 |
| 11 | 6 | 303 | CLA | C1D-ND-C4D | -9.31 | 99.72 | 106.33 |
| 12 | 11 | 304 | KC1 | C2A-C3A-C4A | -9.30 | 99.58 | 106.49 |
| 11 | 15 | 304 | CLA | C1D-ND-C4D | -9.30 | 99.73 | 106.33 |
| 12 | 8 | 310 | KC1 | C2A-C3A-C4A | -9.30 | 99.59 | 106.49 |
| 14 | 16 | 312 | A86 | O1-C20-C21 | -9.29 | 103.93 | 115.06 |
| 14 | 7 | 315 | A86 | O1-C20-C21 | -9.29 | 103.93 | 115.06 |
| 12 | 6 | 309 | KC1 | C2A-C3A-C4A | -9.28 | 99.60 | 106.49 |
| 14 | 10 | 301 | A86 | C21-C20-C19 | -9.27 | 103.85 | 114.28 |
| 13 | 7 | 301 | DD6 | C7-C6-C5 | -9.26 | 109.95 | 122.92 |
| 14 | 11 | 315 | A86 | O1-C20-C21 | -9.25 | 103.97 | 115.06 |
| 13 | 13 | 314 | DD6 | C7-C6-C5 | -9.25 | 109.97 | 122.92 |
| 11 | 8 | 301 | CLA | C1D-ND-C4D | -9.25 | 99.77 | 106.33 |
| 11 | 6 | 311 | CLA | C1D-ND-C4D | -9.25 | 99.77 | 106.33 |
| 13 | 6 | 318 | DD6 | C3-C2-C1 | -9.24 | 114.12 | 127.31 |
| 11 | 13 | 301 | CLA | C1D-ND-C4D | -9.24 | 99.77 | 106.33 |
| 11 | 11 | 305 | CLA | C1D-ND-C4D | -9.24 | 99.77 | 106.33 |
| 11 | 16 | 309 | CLA | C1D-ND-C4D | -9.24 | 99.77 | 106.33 |
| 13 | 12 | 317 | DD6 | C7-C6-C5 | -9.24 | 109.98 | 122.92 |
| 12 | 6 | 305 | KC1 | C2A-C3A-C4A | -9.23 | 99.64 | 106.49 |
| 12 | 8 | 306 | KC1 | C2A-C3A-C4A | -9.20 | 99.66 | 106.49 |
| 14 | 12 | 316 | A86 | O1-C20-C21 | -9.19 | 104.05 | 115.06 |
| 12 | 8 | 314 | KC1 | C2A-C3A-C4A | -9.18 | 99.68 | 106.49 |
| 11 | 10 | 311 | CLA | C1D-ND-C4D | -9.17 | 99.82 | 106.33 |
| 13 | 16 | 313 | DD6 | C7-C6-C5 | -9.15 | 110.11 | 122.92 |
| 11 | 11 | 307 | CLA | C1D-ND-C4D | -9.14 | 99.84 | 106.33 |
| 12 | 8 | 307 | KC1 | C2A-C3A-C4A | -9.13 | 99.71 | 106.49 |
| 11 | 10 | 305 | CLA | C1D-ND-C4D | -9.13 | 99.85 | 106.33 |
| 12 | 16 | 304 | KC1 | C2A-C3A-C4A | -9.11 | 99.72 | 106.49 |
| 11 | 15 | 313 | CLA | C1D-ND-C4D | -9.11 | 99.86 | 106.33 |
| 12 | 13 | 311 | KC1 | C2A-C3A-C4A | -9.10 | 99.73 | 106.49 |
| 11 | 12 | 307 | CLA | C1D-ND-C4D | -9.08 | 99.89 | 106.33 |
| 11 | 14 | 302 | CLA | C1D-ND-C4D | -9.07 | 99.89 | 106.33 |
| 13 | 12 | 315 | DD6 | C-C1-C2 | -9.06 | 110.23 | 122.92 |
| 11 | 16 | 308 | CLA | C1D-ND-C4D | -9.06 | 99.90 | 106.33 |
| 14 | 13 | 313 | A86 | C4-C5-C6 | -9.05 | 114.40 | 127.31 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 14 | 304 | CLA | C1D-ND-C4D | -9.04 | 99.91 | 106.33 |
| 11 | 15 | 311 | CLA | C1D-ND-C4D | -9.03 | 99.92 | 106.33 |
| 11 | 8 | 302 | CLA | C1D-ND-C4D | -9.03 | 99.92 | 106.33 |
| 11 | 13 | 304 | CLA | C1D-ND-C4D | -9.02 | 99.93 | 106.33 |
| 13 | 10 | 314 | DD6 | C12-C11-C10 | -9.01 | 110.30 | 122.92 |
| 14 | 14 | 316 | A86 | O1-C20-C21 | -9.01 | 104.26 | 115.06 |
| 11 | 14 | 312 | CLA | C1D-ND-C4D | -9.01 | 99.94 | 106.33 |
| 11 | 12 | 312 | CLA | C1D-ND-C4D | -9.01 | 99.94 | 106.33 |
| 11 | 15 | 303 | CLA | C1D-ND-C4D | -8.99 | 99.95 | 106.33 |
| 14 | 7 | 318 | A86 | C33-C32-C31 | 8.99 | 117.95 | 109.21 |
| 13 | 7 | 316 | DD6 | C-C1-C2 | -8.98 | 110.34 | 122.92 |
| 11 | 12 | 308 | CLA | C1D-ND-C4D | -8.98 | 99.96 | 106.33 |
| 11 | 12 | 304 | CLA | C1D-ND-C4D | -8.97 | 99.96 | 106.33 |
| 11 | 16 | 307 | CLA | C1D-ND-C4D | -8.95 | 99.98 | 106.33 |
| 11 | 7 | 308 | CLA | C1D-ND-C4D | -8.95 | 99.98 | 106.33 |
| 13 | 10 | 313 | DD6 | C-C1-C2 | -8.94 | 110.39 | 122.92 |
| 12 | 10 | 306 | KC1 | CMA-C3A-C2A | -8.94 | 106.42 | 128.30 |
| 14 | 14 | 320 | A86 | C21-C20-C19 | -8.93 | 104.23 | 114.28 |
| 12 | 12 | 313 | KC1 | C2B-C1B-NB | 8.93 | 116.68 | 110.10 |
| 11 | 16 | 303 | CLA | C2D-C1D-ND | 8.93 | 116.68 | 110.10 |
| 13 | 8 | 317 | DD6 | C4-C5-C6 | -8.91 | 114.60 | 127.31 |
| 13 | 7 | 301 | DD6 | C3-C2-C1 | -8.90 | 114.61 | 127.31 |
| 11 | 8 | 305 | CLA | C2D-C1D-ND | 8.90 | 116.66 | 110.10 |
| 11 | 15 | 306 | CLA | C1D-ND-C4D | -8.89 | 100.02 | 106.33 |
| 11 | 15 | 310 | CLA | C1D-ND-C4D | -8.89 | 100.02 | 106.33 |
| 13 | 6 | 316 | DD6 | C3-C2-C1 | -8.89 | 114.62 | 127.31 |
| 14 | 7 | 318 | A86 | O1-C20-C21 | -8.88 | 104.42 | 115.06 |
| 12 | 11 | 311 | KC1 | C2A-C3A-C4A | -8.87 | 99.90 | 106.49 |
| 11 | 10 | 303 | CLA | C1D-ND-C4D | -8.87 | 100.04 | 106.33 |
| 11 | 7 | 309 | CLA | C1D-ND-C4D | -8.86 | 100.04 | 106.33 |
| 13 | 12 | 315 | DD6 | C9-C10-C11 | -8.86 | 114.67 | 127.31 |
| 11 | 14 | 303 | CLA | C1D-ND-C4D | -8.85 | 100.05 | 106.33 |
| 11 | 8 | 304 | CLA | C1D-ND-C4D | -8.85 | 100.05 | 106.33 |
| 14 | 7 | 314 | A86 | O1-C20-C21 | -8.85 | 104.46 | 115.06 |
| 11 | 8 | 301 | CLA | C2D-C1D-ND | 8.84 | 116.62 | 110.10 |
| 13 | 7 | 301 | DD6 | C-C1-C2 | -8.83 | 110.55 | 122.92 |
| 12 | 8 | 307 | KC1 | CMA-C3A-C2A | -8.83 | 106.69 | 128.30 |
| 14 | 15 | 315 | A86 | C25-C26-C27 | -8.83 | 114.71 | 127.31 |
| 11 | 15 | 305 | CLA | C1D-ND-C4D | -8.82 | 100.07 | 106.33 |
| 13 | 11 | 312 | DD6 | C12-C11-C10 | -8.82 | 110.57 | 122.92 |
| 11 | 16 | 302 | CLA | C1D-ND-C4D | -8.82 | 100.07 | 106.33 |
| 11 | 12 | 321 | CLA | C1D-ND-C4D | -8.82 | 100.07 | 106.33 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 13 | 10 | 314 | DD6 | C3-C2-C1 | -8.82 | 114.73 | 127.31 |
| 11 | 7 | 302 | CLA | C2D-C1D-ND | 8.80 | 116.59 | 110.10 |
| 11 | 14 | 307 | CLA | C2D-C1D-ND | 8.80 | 116.59 | 110.10 |
| 11 | 8 | 309 | CLA | C1D-ND-C4D | -8.80 | 100.09 | 106.33 |
| 13 | 12 | 315 | DD6 | C7-C6-C5 | -8.79 | 110.60 | 122.92 |
| 11 | 6 | 304 | CLA | C1D-ND-C4D | -8.79 | 100.09 | 106.33 |
| 11 | 11 | 309 | CLA | C1D-ND-C4D | -8.79 | 100.09 | 106.33 |
| 11 | 7 | 311 | CLA | C1D-ND-C4D | -8.78 | 100.10 | 106.33 |
| 11 | 7 | 303 | CLA | C1D-ND-C4D | -8.77 | 100.11 | 106.33 |
| 14 | 14 | 314 | A86 | O1-C20-C21 | -8.77 | 104.55 | 115.06 |
| 14 | 14 | 319 | A86 | C33-C32-C31 | 8.76 | 117.73 | 109.21 |
| 13 | 12 | 315 | DD6 | C13-C11-C10 | -8.75 | 105.52 | 118.94 |
| 11 | 8 | 308 | CLA | C1D-ND-C4D | -8.74 | 100.13 | 106.33 |
| 11 | 8 | 303 | CLA | C1D-ND-C4D | -8.74 | 100.13 | 106.33 |
| 11 | 16 | 310 | CLA | C1D-ND-C4D | -8.73 | 100.14 | 106.33 |
| 13 | 6 | 318 | DD6 | C-C1-C2 | -8.72 | 110.71 | 122.92 |
| 11 | 6 | 314 | CLA | C1D-ND-C4D | -8.71 | 100.15 | 106.33 |
| 12 | 16 | 311 | KC1 | CMA-C3A-C4A | -8.70 | 111.79 | 125.04 |
| 14 | 11 | 313 | A86 | C4-C5-C6 | -8.69 | 114.90 | 127.31 |
| 11 | 16 | 301 | CLA | C2D-C1D-ND | 8.69 | 116.51 | 110.10 |
| 11 | 7 | 306 | CLA | C2D-C1D-ND | 8.67 | 116.50 | 110.10 |
| 12 | 8 | 311 | KC1 | C2A-C3A-C4A | -8.67 | 100.06 | 106.49 |
| 11 | 6 | 301 | CLA | C1D-ND-C4D | -8.66 | 100.18 | 106.33 |
| 11 | 6 | 312 | CLA | C1D-ND-C4D | -8.65 | 100.19 | 106.33 |
| 11 | 16 | 305 | CLA | C1D-ND-C4D | -8.65 | 100.19 | 106.33 |
| 14 | 11 | 313 | A86 | C17-C16-C15 | 8.65 | 117.98 | 109.16 |
| 11 | 15 | 307 | CLA | C1D-ND-C4D | -8.65 | 100.19 | 106.33 |
| 11 | 10 | 304 | CLA | C1D-ND-C4D | -8.64 | 100.19 | 106.33 |
| 13 | 13 | 314 | DD6 | C-C1-C2 | -8.64 | 110.82 | 122.92 |
| 13 | 6 | 318 | DD6 | C8-C6-C5 | -8.64 | 105.69 | 118.94 |
| 14 | 15 | 322 | A86 | C17-C16-C15 | 8.64 | 117.97 | 109.16 |
| 11 | 14 | 305 | CLA | C1D-ND-C4D | -8.63 | 100.21 | 106.33 |
| 14 | 15 | 315 | A86 | O1-C20-C21 | -8.62 | 104.73 | 115.06 |
| 11 | 15 | 314 | CLA | C2D-C1D-ND | 8.61 | 116.45 | 110.10 |
| 13 | 7 | 313 | DD6 | C8-C6-C5 | -8.60 | 105.74 | 118.94 |
| 11 | 12 | 302 | CLA | C2D-C1D-ND | 8.59 | 116.44 | 110.10 |
| 11 | 13 | 302 | CLA | C1D-ND-C4D | -8.59 | 100.23 | 106.33 |
| 11 | 16 | 306 | CLA | C1D-ND-C4D | -8.59 | 100.23 | 106.33 |
| 12 | 13 | 306 | KC1 | CMA-C3A-C2A | -8.59 | 107.28 | 128.30 |
| 13 | 8 | 316 | DD6 | C3-C2-C1 | -8.58 | 115.07 | 127.31 |
| 14 | 15 | 315 | A86 | C17-C16-C15 | 8.57 | 117.90 | 109.16 |
| 11 | 10 | 307 | CLA | C1D-ND-C4D | -8.56 | 100.26 | 106.33 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 13 | 6 | 318 | DD6 | C7-C6-C5 | -8.55 | 110.95 | 122.92 |
| 12 | 12 | 309 | KC1 | C2B-C1B-NB | 8.53 | 116.39 | 110.10 |
| 13 | 6 | 315 | DD6 | C7-C6-C5 | -8.53 | 110.98 | 122.92 |
| 14 | 14 | 320 | A86 | C33-C32-C31 | 8.51 | 117.48 | 109.21 |
| 11 | 10 | 307 | CLA | C2D-C1D-ND | 8.51 | 116.37 | 110.10 |
| 11 | 15 | 312 | CLA | C1D-ND-C4D | -8.50 | 100.30 | 106.33 |
| 12 | 12 | 311 | KC1 | C2A-C3A-C4A | -8.49 | 100.18 | 106.49 |
| 11 | 7 | 310 | CLA | C1D-ND-C4D | -8.48 | 100.31 | 106.33 |
| 13 | 11 | 312 | DD6 | C-C1-C2 | -8.47 | 111.06 | 122.92 |
| 11 | 12 | 306 | CLA | C1D-ND-C4D | -8.46 | 100.33 | 106.33 |
| 13 | 16 | 313 | DD6 | C8-C6-C5 | -8.44 | 105.98 | 118.94 |
| 12 | 13 | 306 | KC1 | C2A-C3A-C4A | -8.44 | 100.23 | 106.49 |
| 11 | 7 | 305 | CLA | C1D-ND-C4D | -8.43 | 100.34 | 106.33 |
| 13 | 15 | 319 | DD6 | C32-C31-C36 | -8.43 | 110.73 | 122.63 |
| 11 | 15 | 308 | CLA | C1D-ND-C4D | -8.41 | 100.36 | 106.33 |
| 13 | 8 | 317 | DD6 | C7-C6-C5 | -8.41 | 111.14 | 122.92 |
| 11 | 13 | 307 | CLA | C1D-ND-C4D | -8.40 | 100.37 | 106.33 |
| 13 | 10 | 314 | DD6 | C7-C6-C5 | -8.38 | 111.19 | 122.92 |
| 14 | 14 | 315 | A86 | C33-C32-C31 | 8.36 | 117.33 | 109.21 |
| 11 | 6 | 306 | CLA | C1D-ND-C4D | -8.35 | 100.40 | 106.33 |
| 11 | 6 | 302 | CLA | C1D-ND-C4D | -8.35 | 100.41 | 106.33 |
| 13 | 7 | 317 | DD6 | C7-C6-C5 | -8.34 | 111.23 | 122.92 |
| 14 | 10 | 316 | A86 | C33-C32-C31 | 8.34 | 117.31 | 109.21 |
| 12 | 10 | 306 | KC1 | C2A-C3A-C4A | -8.32 | 100.31 | 106.49 |
| 11 | 14 | 309 | CLA | C1D-ND-C4D | -8.32 | 100.42 | 106.33 |
| 13 | 12 | 315 | DD6 | C3-C2-C1 | -8.32 | 115.44 | 127.31 |
| 11 | 8 | 302 | CLA | C2D-C1D-ND | 8.31 | 116.23 | 110.10 |
| 13 | 8 | 316 | DD6 | C7-C6-C5 | -8.31 | 111.28 | 122.92 |
| 13 | 10 | 313 | DD6 | C13-C11-C10 | -8.31 | 106.19 | 118.94 |
| 12 | 12 | 311 | KC1 | CMA-C3A-C2A | -8.31 | 107.96 | 128.30 |
| 11 | 6 | 307 | CLA | C1D-ND-C4D | -8.31 | 100.44 | 106.33 |
| 11 | 10 | 303 | CLA | C2D-C1D-ND | 8.30 | 116.22 | 110.10 |
| 11 | 15 | 302 | CLA | C2D-C1D-ND | 8.30 | 116.22 | 110.10 |
| 13 | 6 | 316 | DD6 | C-C1-C2 | -8.29 | 111.31 | 122.92 |
| 13 | 6 | 315 | DD6 | C-C1-C2 | -8.28 | 111.33 | 122.92 |
| 14 | 14 | 319 | A86 | C4-C5-C6 | -8.27 | 115.50 | 127.31 |
| 11 | 7 | 308 | CLA | C2D-C1D-ND | 8.26 | 116.19 | 110.10 |
| 14 | 11 | 314 | A86 | O1-C20-C21 | -8.25 | 105.17 | 115.06 |
| 11 | 13 | 309 | CLA | C1D-ND-C4D | -8.23 | 100.49 | 106.33 |
| 13 | 10 | 314 | DD6 | C-C1-C2 | -8.23 | 111.39 | 122.92 |
| 12 | 8 | 312 | KC1 | C2A-C3A-C4A | -8.22 | 100.39 | 106.49 |
| 14 | 14 | 318 | A86 | C4-C5-C6 | -8.22 | 115.58 | 127.31 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 6 | 305 | KC1 | CMA-C3A-C2A | -8.22 | 108.19 | 128.30 |
| 11 | 6 | 303 | CLA | C2D-C1D-ND | 8.20 | 116.15 | 110.10 |
| 11 | 11 | 303 | CLA | C2D-C1D-ND | 8.20 | 116.15 | 110.10 |
| 14 | 7 | 314 | A86 | C33-C32-C31 | 8.19 | 117.17 | 109.21 |
| 14 | 7 | 315 | A86 | C17-C16-C15 | 8.18 | 117.51 | 109.16 |
| 11 | 12 | 303 | CLA | C1D-ND-C4D | -8.17 | 100.53 | 106.33 |
| 11 | 7 | 303 | CLA | C2D-C1D-ND | 8.15 | 116.11 | 110.10 |
| 11 | 6 | 313 | CLA | C1D-ND-C4D | -8.15 | 100.55 | 106.33 |
| 13 | 7 | 313 | DD6 | C4-C5-C6 | -8.14 | 115.69 | 127.31 |
| 11 | 13 | 301 | CLA | C2D-C1D-ND | 8.11 | 116.08 | 110.10 |
| 11 | 12 | 310 | CLA | C2D-C1D-ND | 8.11 | 116.08 | 110.10 |
| 11 | 10 | 308 | CLA | C2D-C1D-ND | 8.10 | 116.08 | 110.10 |
| 11 | 10 | 309 | CLA | C2D-C1D-ND | 8.10 | 116.07 | 110.10 |
| 13 | 8 | 317 | DD6 | C3-C2-C1 | -8.09 | 115.76 | 127.31 |
| 14 | 15 | 321 | A86 | C33-C32-C31 | 8.06 | 117.05 | 109.21 |
| 13 | 8 | 316 | DD6 | C8-C6-C5 | -8.06 | 106.57 | 118.94 |
| 13 | 16 | 313 | DD6 | C4-C5-C6 | -8.05 | 115.82 | 127.31 |
| 13 | 12 | 317 | DD6 | C8-C6-C5 | -8.05 | 106.58 | 118.94 |
| 13 | 12 | 317 | DD6 | C4-C5-C6 | -8.04 | 115.84 | 127.31 |
| 11 | 8 | 304 | CLA | C2D-C1D-ND | 8.03 | 116.02 | 110.10 |
| 11 | 15 | 309 | CLA | C2D-C1D-ND | 8.03 | 116.02 | 110.10 |
| 14 | 14 | 317 | A86 | C4-C5-C6 | -8.03 | 115.85 | 127.31 |
| 12 | 13 | 311 | KC1 | CMA-C3A-C2A | -8.02 | 108.67 | 128.30 |
| 11 | 15 | 304 | CLA | C2D-C1D-ND | 8.01 | 116.01 | 110.10 |
| 12 | 13 | 305 | KC1 | CMA-C3A-C2A | -8.00 | 108.72 | 128.30 |
| 11 | 15 | 303 | CLA | C2D-C1D-ND | 8.00 | 116.00 | 110.10 |
| 12 | 11 | 304 | KC1 | CMA-C3A-C2A | -8.00 | 108.73 | 128.30 |
| 11 | 15 | 308 | CLA | C2D-C1D-ND | 7.98 | 115.99 | 110.10 |
| 14 | 10 | 302 | A86 | C25-C26-C27 | -7.98 | 115.93 | 127.31 |
| 12 | 12 | 311 | KC1 | C2B-C1B-NB | 7.96 | 115.97 | 110.10 |
| 14 | 15 | 317 | A86 | C4-C5-C6 | -7.95 | 115.96 | 127.31 |
| 11 | 16 | 305 | CLA | C2D-C1D-ND | 7.94 | 115.96 | 110.10 |
| 11 | 10 | 311 | CLA | C2D-C1D-ND | 7.94 | 115.95 | 110.10 |
| 11 | 15 | 313 | CLA | C2D-C1D-ND | 7.93 | 115.95 | 110.10 |
| 11 | 12 | 307 | CLA | C2D-C1D-ND | 7.93 | 115.95 | 110.10 |
| 13 | 12 | 315 | DD6 | C8-C6-C5 | -7.93 | 106.78 | 118.94 |
| 12 | 8 | 314 | KC1 | C2B-C1B-NB | 7.93 | 115.94 | 110.10 |
| 11 | 16 | 309 | CLA | C2D-C1D-ND | 7.92 | 115.94 | 110.10 |
| 12 | 7 | 312 | KC1 | CMA-C3A-C2A | -7.91 | 108.94 | 128.30 |
| 11 | 13 | 303 | CLA | C2D-C1D-ND | 7.90 | 115.93 | 110.10 |
| 13 | 7 | 316 | DD6 | C7-C6-C5 | -7.90 | 111.86 | 122.92 |
| 12 | 8 | 310 | KC1 | CMA-C3A-C2A | -7.90 | 108.96 | 128.30 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 12 | 312 | CLA | C2D-C1D-ND | 7.90 | 115.92 | 110.10 |
| 13 | 15 | 318 | DD6 | C3-C2-C1 | -7.89 | 116.04 | 127.31 |
| 11 | 7 | 304 | CLA | C2D-C1D-ND | 7.89 | 115.92 | 110.10 |
| 11 | 14 | 310 | CLA | C2D-C1D-ND | 7.89 | 115.92 | 110.10 |
| 11 | 16 | 302 | CLA | C2D-C1D-ND | 7.87 | 115.90 | 110.10 |
| 11 | 12 | 308 | CLA | C2D-C1D-ND | 7.86 | 115.90 | 110.10 |
| 11 | 15 | 310 | CLA | C2D-C1D-ND | 7.85 | 115.89 | 110.10 |
| 11 | 11 | 307 | CLA | C2D-C1D-ND | 7.85 | 115.89 | 110.10 |
| 11 | 15 | 306 | CLA | C2D-C1D-ND | 7.84 | 115.88 | 110.10 |
| 11 | 15 | 311 | CLA | C2D-C1D-ND | 7.83 | 115.87 | 110.10 |
| 11 | 14 | 312 | CLA | C2D-C1D-ND | 7.82 | 115.87 | 110.10 |
| 11 | 7 | 305 | CLA | C2D-C1D-ND | 7.82 | 115.87 | 110.10 |
| 12 | 10 | 310 | KC1 | C2B-C1B-NB | 7.82 | 115.87 | 110.10 |
| 12 | 16 | 311 | KC1 | C2B-C1B-NB | 7.82 | 115.86 | 110.10 |
| 14 | 10 | 302 | A86 | C17-C16-C15 | 7.82 | 117.14 | 109.16 |
| 11 | 11 | 305 | CLA | C2D-C1D-ND | 7.81 | 115.86 | 110.10 |
| 11 | 12 | 321 | CLA | C2D-C1D-ND | 7.80 | 115.85 | 110.10 |
| 11 | 16 | 308 | CLA | C2D-C1D-ND | 7.80 | 115.85 | 110.10 |
| 12 | 10 | 312 | KC1 | C2B-C1B-NB | 7.80 | 115.85 | 110.10 |
| 14 | 10 | 317 | A86 | C17-C16-C15 | 7.79 | 117.11 | 109.16 |
| 13 | 15 | 318 | DD6 | C32-C31-C36 | -7.79 | 111.64 | 122.63 |
| 14 | 10 | 316 | A86 | C4-C5-C6 | -7.78 | 116.21 | 127.31 |
| 12 | 8 | 314 | KC1 | O2D-CGD-CBD | 7.78 | 125.09 | 111.27 |
| 12 | 8 | 313 | KC1 | CMA-C3A-C2A | -7.77 | 109.27 | 128.30 |
| 13 | 8 | 317 | DD6 | C9-C10-C11 | -7.77 | 116.22 | 127.31 |
| 12 | 7 | 312 | KC1 | C2B-C1B-NB | 7.76 | 115.83 | 110.10 |
| 11 | 13 | 302 | CLA | C2D-C1D-ND | 7.76 | 115.82 | 110.10 |
| 12 | 6 | 308 | KC1 | CMA-C3A-C2A | -7.76 | 109.31 | 128.30 |
| 11 | 12 | 304 | CLA | C2D-C1D-ND | 7.76 | 115.82 | 110.10 |
| 11 | 13 | 304 | CLA | C2D-C1D-ND | 7.75 | 115.81 | 110.10 |
| 11 | 14 | 304 | CLA | C2D-C1D-ND | 7.73 | 115.80 | 110.10 |
| 11 | 15 | 305 | CLA | C2D-C1D-ND | 7.72 | 115.80 | 110.10 |
| 13 | 7 | 316 | DD6 | C4-C5-C6 | -7.72 | 116.29 | 127.31 |
| 11 | 10 | 304 | CLA | C2D-C1D-ND | 7.72 | 115.79 | 110.10 |
| 11 | 12 | 304 | CLA | CAA-C2A-C3A | -7.71 | 91.66 | 112.78 |
| 11 | 8 | 308 | CLA | C2D-C1D-ND | 7.71 | 115.79 | 110.10 |
| 12 | 8 | 311 | KC1 | CMA-C3A-C2A | -7.71 | 109.43 | 128.30 |
| 11 | 14 | 313 | CLA | C2D-C1D-ND | 7.71 | 115.78 | 110.10 |
| 12 | 13 | 312 | KC1 | CMA-C3A-C2A | -7.71 | 109.43 | 128.30 |
| 11 | 15 | 312 | CLA | CMD-C2D-C1D | 7.71 | 138.30 | 124.71 |
| 13 | 7 | 313 | DD6 | C15-C14-C13 | 7.70 | 142.27 | 125.99 |
| 12 | 8 | 313 | KC1 | C2B-C1B-NB | 7.69 | 115.77 | 110.10 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 14 | 10 | 315 | A86 | C17-C16-C15 | 7.69 | 117.01 | 109.16 |
| 14 | 6 | 317 | A86 | C21-C20-C19 | -7.69 | 105.63 | 114.28 |
| 14 | 7 | 315 | A86 | C33-C32-C31 | 7.69 | 116.68 | 109.21 |
| 12 | 10 | 312 | KC1 | CMA-C3A-C2A | -7.68 | 109.50 | 128.30 |
| 12 | 11 | 306 | KC1 | C2B-C1B-NB | 7.67 | 115.76 | 110.10 |
| 11 | 15 | 307 | CLA | C2D-C1D-ND | 7.67 | 115.76 | 110.10 |
| 14 | 10 | 316 | A86 | O1-C20-C21 | -7.66 | 105.88 | 115.06 |
| 14 | 12 | 314 | A86 | C4-C5-C6 | -7.66 | 116.38 | 127.31 |
| 11 | 6 | 307 | CLA | C2D-C1D-ND | 7.66 | 115.75 | 110.10 |
| 14 | 14 | 318 | A86 | C33-C32-C31 | 7.63 | 116.63 | 109.21 |
| 12 | 16 | 304 | KC1 | C2B-C1B-NB | 7.63 | 115.73 | 110.10 |
| 11 | 7 | 310 | CLA | C2D-C1D-ND | 7.62 | 115.72 | 110.10 |
| 11 | 11 | 309 | CLA | C2D-C1D-ND | 7.62 | 115.72 | 110.10 |
| 14 | 16 | 312 | A86 | C17-C16-C15 | 7.61 | 116.93 | 109.16 |
| 13 | 16 | 313 | DD6 | C15-C14-C13 | 7.61 | 142.08 | 125.99 |
| 13 | 7 | 313 | DD6 | C7-C6-C5 | -7.60 | 112.27 | 122.92 |
| 12 | 14 | 308 | KC1 | C2B-C1B-NB | 7.60 | 115.70 | 110.10 |
| 12 | 13 | 308 | KC1 | C2B-C1B-NB | 7.59 | 115.70 | 110.10 |
| 11 | 7 | 304 | CLA | CMD-C2D-C1D | 7.59 | 138.10 | 124.71 |
| 11 | 6 | 311 | CLA | C2D-C1D-ND | 7.59 | 115.70 | 110.10 |
| 11 | 6 | 314 | CLA | C2D-C1D-ND | 7.59 | 115.70 | 110.10 |
| 11 | 14 | 305 | CLA | C2D-C1D-ND | 7.59 | 115.69 | 110.10 |
| 13 | 8 | 317 | DD6 | C-C1-C2 | -7.58 | 112.30 | 122.92 |
| 11 | 12 | 306 | CLA | C2D-C1D-ND | 7.58 | 115.69 | 110.10 |
| 11 | 14 | 303 | CLA | C2D-C1D-ND | 7.58 | 115.69 | 110.10 |
| 11 | 13 | 307 | CLA | C2D-C1D-ND | 7.57 | 115.69 | 110.10 |
| 11 | 6 | 301 | CLA | C2D-C1D-ND | 7.57 | 115.68 | 110.10 |
| 13 | 7 | 313 | DD6 | C9-C10-C11 | -7.56 | 116.52 | 127.31 |
| 11 | 10 | 305 | CLA | C2D-C1D-ND | 7.56 | 115.68 | 110.10 |
| 11 | 11 | 308 | CLA | C2D-C1D-ND | 7.56 | 115.67 | 110.10 |
| 11 | 8 | 309 | CLA | C2D-C1D-ND | 7.53 | 115.65 | 110.10 |
| 14 | 15 | 320 | A86 | C17-C16-C15 | 7.53 | 116.85 | 109.16 |
| 13 | 8 | 316 | DD6 | C9-C10-C11 | -7.53 | 116.57 | 127.31 |
| 12 | 13 | 306 | KC1 | C1A-C2A-C3A | -7.52 | 101.14 | 107.11 |
| 13 | 13 | 314 | DD6 | C7-C6-C8 | -7.51 | 106.25 | 118.08 |
| 11 | 16 | 307 | CLA | C2D-C1D-ND | 7.51 | 115.64 | 110.10 |
| 14 | 14 | 320 | A86 | C25-C26-C27 | -7.50 | 116.60 | 127.31 |
| 13 | 15 | 318 | DD6 | C-C1-C2 | -7.50 | 112.42 | 122.92 |
| 13 | 7 | 313 | DD6 | C14-C13-C11 | 7.49 | 137.16 | 125.53 |
| 11 | 7 | 309 | CLA | C2D-C1D-ND | 7.48 | 115.62 | 110.10 |
| 12 | 6 | 309 | KC1 | CMA-C3A-C2A | -7.48 | 110.00 | 128.30 |
| 11 | 7 | 311 | CLA | C2D-C1D-ND | 7.48 | 115.61 | 110.10 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 6 | 305 | KC1 | C2B-C1B-NB | 7.47 | 115.61 | 110.10 |
| 11 | 8 | 303 | CLA | C2D-C1D-ND | 7.46 | 115.60 | 110.10 |
| 11 | 6 | 306 | CLA | C2D-C1D-ND | 7.43 | 115.58 | 110.10 |
| 11 | 14 | 302 | CLA | C2D-C1D-ND | 7.43 | 115.58 | 110.10 |
| 11 | 12 | 303 | CLA | C2D-C1D-ND | 7.43 | 115.58 | 110.10 |
| 11 | 16 | 310 | CLA | C2D-C1D-ND | 7.43 | 115.58 | 110.10 |
| 14 | 10 | 302 | A86 | C4-C5-C6 | -7.42 | 116.72 | 127.31 |
| 13 | 6 | 318 | DD6 | C13-C11-C10 | -7.42 | 107.55 | 118.94 |
| 14 | 12 | 316 | A86 | C33-C32-C31 | 7.42 | 116.42 | 109.21 |
| 13 | 7 | 317 | DD6 | C7-C6-C8 | -7.42 | 106.39 | 118.08 |
| 12 | 12 | 311 | KC1 | C1A-C2A-C3A | -7.41 | 101.23 | 107.11 |
| 12 | 12 | 305 | KC1 | CMA-C3A-C2A | -7.40 | 110.19 | 128.30 |
| 13 | 15 | 319 | DD6 | C8-C6-C5 | -7.39 | 107.59 | 118.94 |
| 12 | 8 | 311 | KC1 | C2B-C1B-NB | 7.39 | 115.55 | 110.10 |
| 12 | 12 | 309 | KC1 | CMA-C3A-C4A | -7.39 | 113.78 | 125.04 |
| 12 | 6 | 308 | KC1 | C2B-C1B-NB | 7.38 | 115.55 | 110.10 |
| 11 | 13 | 309 | CLA | C2D-C1D-ND | 7.38 | 115.54 | 110.10 |
| 12 | 12 | 305 | KC1 | C2B-C1B-NB | 7.37 | 115.54 | 110.10 |
| 12 | 6 | 310 | KC1 | CMA-C3A-C2A | -7.37 | 110.26 | 128.30 |
| 11 | 6 | 302 | CLA | C2D-C1D-ND | 7.37 | 115.53 | 110.10 |
| 12 | 12 | 309 | KC1 | CHB-C4A-C3A | -7.37 | 113.47 | 124.98 |
| 14 | 11 | 315 | A86 | C33-C32-C31 | 7.36 | 116.36 | 109.21 |
| 13 | 8 | 316 | DD6 | C-C1-C2 | -7.35 | 112.62 | 122.92 |
| 12 | 8 | 312 | KC1 | C1A-C2A-C3A | -7.35 | 101.28 | 107.11 |
| 12 | 10 | 310 | KC1 | C3A-C4A-NA | 7.35 | 118.59 | 110.57 |
| 12 | 11 | 310 | KC1 | C2B-C1B-NB | 7.35 | 115.52 | 110.10 |
| 12 | 14 | 306 | KC1 | C2B-C1B-NB | 7.33 | 115.51 | 110.10 |
| 12 | 16 | 311 | KC1 | C3A-C4A-NA | 7.32 | 118.57 | 110.57 |
| 13 | 15 | 318 | DD6 | C8-C6-C5 | -7.32 | 107.71 | 118.94 |
| 12 | 11 | 310 | KC1 | CMA-C3A-C2A | -7.31 | 110.41 | 128.30 |
| 11 | 6 | 312 | CLA | C2D-C1D-ND | 7.31 | 115.49 | 110.10 |
| 12 | 11 | 311 | KC1 | CMA-C3A-C4A | -7.30 | 113.92 | 125.04 |
| 11 | 14 | 302 | CLA | CMD-C2D-C1D | 7.30 | 137.58 | 124.71 |
| 12 | 13 | 308 | KC1 | CMA-C3A-C2A | -7.28 | 110.47 | 128.30 |
| 14 | 14 | 314 | A86 | C17-C16-C15 | 7.26 | 116.57 | 109.16 |
| 13 | 7 | 313 | DD6 | C32-C31-C36 | -7.24 | 112.41 | 122.63 |
| 14 | 16 | 312 | A86 | C3-C2-C1 | -7.23 | 116.99 | 127.31 |
| 11 | 6 | 304 | CLA | C2D-C1D-ND | 7.23 | 115.43 | 110.10 |
| 14 | 16 | 312 | A86 | C33-C32-C31 | 7.22 | 116.22 | 109.21 |
| 13 | 7 | 317 | DD6 | C32-C31-C36 | -7.21 | 112.45 | 122.63 |
| 12 | 16 | 311 | KC1 | CHB-C4A-C3A | -7.21 | 113.71 | 124.98 |
| 14 | 7 | 314 | A86 | C3-C2-C1 | -7.20 | 117.03 | 127.31 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 12 | 311 | KC1 | CHB-C4A-C3A | -7.19 | 113.74 | 124.98 |
| 13 | 7 | 317 | DD6 | C12-C11-C13 | -7.19 | 106.75 | 118.08 |
| 12 | 6 | 309 | KC1 | C2B-C1B-NB | 7.17 | 115.39 | 110.10 |
| 12 | 13 | 305 | KC1 | C2B-C1B-NB | 7.17 | 115.39 | 110.10 |
| 14 | 15 | 315 | A86 | C33-C32-C31 | 7.17 | 116.18 | 109.21 |
| 12 | 11 | 311 | KC1 | C1A-C2A-C3A | -7.17 | 101.42 | 107.11 |
| 12 | 13 | 312 | KC1 | C2B-C1B-NB | 7.16 | 115.38 | 110.10 |
| 11 | 14 | 310 | CLA | CMD-C2D-C1D | 7.16 | 137.33 | 124.71 |
| 14 | 13 | 313 | A86 | C33-C32-C31 | 7.14 | 116.16 | 109.21 |
| 14 | 10 | 315 | A86 | C33-C32-C31 | 7.12 | 116.13 | 109.21 |
| 12 | 8 | 314 | KC1 | C1A-C2A-C3A | -7.11 | 101.47 | 107.11 |
| 14 | 10 | 302 | A86 | C33-C32-C31 | 7.11 | 116.12 | 109.21 |
| 12 | 10 | 306 | KC1 | C2B-C1B-NB | 7.11 | 115.34 | 110.10 |
| 12 | 12 | 309 | KC1 | C3A-C4A-NA | 7.10 | 118.32 | 110.57 |
| 12 | 10 | 310 | KC1 | CHB-C4A-C3A | -7.09 | 113.90 | 124.98 |
| 12 | 8 | 306 | KC1 | C2B-C1B-NB | 7.09 | 115.33 | 110.10 |
| 14 | 14 | 316 | A86 | C33-C32-C31 | 7.08 | 116.09 | 109.21 |
| 12 | 16 | 304 | KC1 | C1A-C2A-C3A | -7.08 | 101.50 | 107.11 |
| 11 | 6 | 313 | CLA | C2D-C1D-ND | 7.07 | 115.31 | 110.10 |
| 12 | 11 | 306 | KC1 | CMA-C3A-C2A | -7.07 | 111.00 | 128.30 |
| 14 | 11 | 301 | A86 | C33-C32-C31 | 7.06 | 116.08 | 109.21 |
| 12 | 11 | 311 | KC1 | C2B-C1B-NB | 7.06 | 115.31 | 110.10 |
| 11 | 14 | 309 | CLA | C2D-C1D-ND | 7.06 | 115.31 | 110.10 |
| 11 | 15 | 314 | CLA | CMD-C2D-C1D | 7.05 | 137.14 | 124.71 |
| 11 | 16 | 308 | CLA | CMD-C2D-C1D | 7.04 | 137.12 | 124.71 |
| 12 | 8 | 314 | KC1 | CHB-C4A-C3A | -7.04 | 113.98 | 124.98 |
| 11 | 15 | 306 | CLA | O2D-CGD-CBD | 7.03 | 123.75 | 111.27 |
| 12 | 14 | 311 | KC1 | CMA-C3A-C2A | -7.01 | 111.13 | 128.30 |
| 13 | 7 | 301 | DD6 | C32-C31-C36 | -7.01 | 112.73 | 122.63 |
| 11 | 7 | 304 | CLA | O2D-CGD-CBD | 7.01 | 123.73 | 111.27 |
| 13 | 7 | 317 | DD6 | C24-C1-C2 | -7.01 | 108.18 | 118.94 |
| 13 | 10 | 314 | DD6 | C8-C6-C5 | -7.01 | 108.18 | 118.94 |
| 13 | 13 | 314 | DD6 | C9-C10-C11 | -7.01 | 117.30 | 127.31 |
| 11 | 15 | 302 | CLA | CHD-C1D-ND | -7.01 | 118.02 | 124.45 |
| 14 | 7 | 318 | A86 | C25-C26-C27 | -7.00 | 117.32 | 127.31 |
| 13 | 15 | 319 | DD6 | C13-C11-C10 | -7.00 | 108.21 | 118.94 |
| 11 | 16 | 306 | CLA | C2D-C1D-ND | 7.00 | 115.26 | 110.10 |
| 11 | 6 | 311 | CLA | CMD-C2D-C1D | 6.98 | 137.01 | 124.71 |
| 13 | 10 | 314 | DD6 | C9-C10-C11 | -6.97 | 117.37 | 127.31 |
| 14 | 14 | 321 | A86 | C4-C5-C6 | -6.96 | 117.37 | 127.31 |
| 12 | 6 | 305 | KC1 | CHB-C4A-C3A | -6.96 | 114.11 | 124.98 |
| 11 | 7 | 311 | CLA | CMD-C2D-C1D | 6.96 | 136.97 | 124.71 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 10 | 310 | KC1 | CMA-C3A-C2A | -6.95 | 111.30 | 128.30 |
| 12 | 8 | 306 | KC1 | C1A-C2A-C3A | -6.94 | 101.60 | 107.11 |
| 12 | 13 | 310 | KC1 | CMA-C3A-C2A | -6.94 | 111.31 | 128.30 |
| 11 | 8 | 302 | CLA | CMD-C2D-C1D | 6.94 | 136.94 | 124.71 |
| 14 | 15 | 316 | A86 | C17-C16-C15 | 6.94 | 116.24 | 109.16 |
| 12 | 10 | 306 | KC1 | C1A-C2A-C3A | -6.94 | 101.61 | 107.11 |
| 12 | 6 | 310 | KC1 | C2B-C1B-NB | 6.92 | 115.21 | 110.10 |
| 12 | 8 | 312 | KC1 | CMA-C3A-C2A | -6.92 | 111.35 | 128.30 |
| 11 | 14 | 307 | CLA | CHD-C1D-ND | -6.92 | 118.09 | 124.45 |
| 12 | 6 | 308 | KC1 | C3A-C4A-NA | 6.91 | 118.12 | 110.57 |
| 11 | 15 | 302 | CLA | CMD-C2D-C1D | 6.91 | 136.90 | 124.71 |
| 12 | 14 | 311 | KC1 | C2B-C1B-NB | 6.91 | 115.20 | 110.10 |
| 14 | 8 | 315 | A86 | C17-C16-C15 | 6.91 | 116.21 | 109.16 |
| 14 | 6 | 317 | A86 | C25-C26-C27 | -6.90 | 117.46 | 127.31 |
| 12 | 13 | 310 | KC1 | C2B-C1B-NB | 6.90 | 115.19 | 110.10 |
| 12 | 11 | 304 | KC1 | C2B-C1B-NB | 6.90 | 115.19 | 110.10 |
| 12 | 13 | 305 | KC1 | CHB-C4A-C3A | -6.90 | 114.20 | 124.98 |
| 12 | 7 | 307 | KC1 | C2B-C1B-NB | 6.90 | 115.19 | 110.10 |
| 11 | 15 | 309 | CLA | CMD-C2D-C1D | 6.90 | 136.87 | 124.71 |
| 14 | 15 | 317 | A86 | C17-C16-C15 | 6.90 | 116.20 | 109.16 |
| 12 | 7 | 312 | KC1 | CHB-C4A-C3A | -6.89 | 114.22 | 124.98 |
| 14 | 15 | 316 | A86 | C33-C32-C31 | 6.88 | 115.90 | 109.21 |
| 12 | 6 | 305 | KC1 | C3A-C4A-NA | 6.88 | 118.08 | 110.57 |
| 14 | 15 | 315 | A86 | C24-C1-C2 | 6.88 | 129.49 | 118.94 |
| 13 | 8 | 317 | DD6 | C24-C1-C2 | -6.87 | 108.39 | 118.94 |
| 13 | 7 | 316 | DD6 | C8-C6-C5 | -6.87 | 108.40 | 118.94 |
| 13 | 7 | 313 | DD6 | C-C1-C2 | -6.87 | 113.30 | 122.92 |
| 12 | 11 | 306 | KC1 | CHB-C4A-C3A | -6.87 | 114.25 | 124.98 |
| 14 | 14 | 320 | A86 | O1-C20-C21 | -6.86 | 106.84 | 115.06 |
| 13 | 12 | 317 | DD6 | C12-C11-C13 | -6.85 | 107.28 | 118.08 |
| 14 | 12 | 314 | A86 | C33-C32-C31 | 6.85 | 115.87 | 109.21 |
| 12 | 14 | 311 | KC1 | CHB-C4A-C3A | -6.85 | 114.28 | 124.98 |
| 12 | 6 | 308 | KC1 | C1A-C2A-C3A | -6.84 | 101.68 | 107.11 |
| 12 | 14 | 311 | KC1 | C3A-C4A-NA | 6.84 | 118.04 | 110.57 |
| 13 | 6 | 316 | DD6 | C7-C6-C5 | -6.84 | 113.35 | 122.92 |
| 13 | 12 | 317 | DD6 | C32-C31-C36 | -6.83 | 112.98 | 122.63 |
| 12 | 6 | 308 | KC1 | CHB-C4A-C3A | -6.83 | 114.31 | 124.98 |
| 11 | 11 | 307 | CLA | CMD-C2D-C1D | 6.82 | 136.73 | 124.71 |
| 11 | 6 | 304 | CLA | CMD-C2D-C1D | 6.81 | 136.71 | 124.71 |
| 11 | 7 | 309 | CLA | CMD-C2D-C1D | 6.81 | 136.71 | 124.71 |
| 11 | 16 | 310 | CLA | CMD-C2D-C1D | 6.81 | 136.71 | 124.71 |
| 11 | 14 | 304 | CLA | CMD-C2D-C1D | 6.80 | 136.71 | 124.71 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 11 | 306 | KC1 | C3A-C4A-NA | 6.80 | 118.00 | 110.57 |
| 12 | 13 | 308 | KC1 | C3A-C4A-NA | 6.80 | 117.99 | 110.57 |
| 11 | 14 | 313 | CLA | CMD-C2D-C1D | 6.80 | 136.69 | 124.71 |
| 12 | 14 | 306 | KC1 | CMA-C3A-C2A | -6.79 | 111.69 | 128.30 |
| 13 | 15 | 318 | DD6 | C13-C11-C10 | -6.78 | 108.54 | 118.94 |
| 12 | 13 | 308 | KC1 | CHB-C4A-C3A | -6.78 | 114.39 | 124.98 |
| 12 | 8 | 311 | KC1 | C1A-C2A-C3A | -6.78 | 101.73 | 107.11 |
| 14 | 11 | 314 | A86 | C4-C5-C6 | -6.77 | 117.65 | 127.31 |
| 12 | 8 | 313 | KC1 | CHB-C4A-C3A | -6.76 | 114.42 | 124.98 |
| 14 | 12 | 314 | A86 | C17-C16-C15 | 6.75 | 116.05 | 109.16 |
| 12 | 8 | 313 | KC1 | C3A-C4A-NA | 6.75 | 117.94 | 110.57 |
| 12 | 10 | 312 | KC1 | C3A-C4A-NA | 6.75 | 117.94 | 110.57 |
| 11 | 15 | 312 | CLA | C2D-C1D-ND | 6.75 | 115.08 | 110.10 |
| 11 | 15 | 314 | CLA | CHD-C1D-ND | -6.75 | 118.25 | 124.45 |
| 12 | 6 | 305 | KC1 | C1A-C2A-C3A | -6.74 | 101.76 | 107.11 |
| 11 | 13 | 304 | CLA | CMD-C2D-C1D | 6.73 | 136.58 | 124.71 |
| 12 | 14 | 308 | KC1 | CHB-C4A-C3A | -6.73 | 114.47 | 124.98 |
| 13 | 11 | 312 | DD6 | C24-C1-C2 | -6.73 | 108.62 | 118.94 |
| 12 | 14 | 306 | KC1 | C1A-C2A-C3A | -6.73 | 101.77 | 107.11 |
| 13 | 12 | 315 | DD6 | C24-C1-C2 | -6.73 | 108.62 | 118.94 |
| 11 | 15 | 311 | CLA | CMD-C2D-C1D | 6.73 | 136.57 | 124.71 |
| 12 | 8 | 307 | KC1 | C2B-C1B-NB | 6.72 | 115.05 | 110.10 |
| 12 | 16 | 304 | KC1 | CMA-C3A-C4A | -6.72 | 114.81 | 125.04 |
| 13 | 11 | 312 | DD6 | C32-C31-C36 | -6.71 | 113.16 | 122.63 |
| 11 | 13 | 303 | CLA | CMD-C2D-C1D | 6.70 | 136.53 | 124.71 |
| 13 | 6 | 316 | DD6 | C4-C5-C6 | -6.70 | 117.75 | 127.31 |
| 12 | 8 | 307 | KC1 | C1A-C2A-C3A | -6.70 | 101.80 | 107.11 |
| 12 | 16 | 304 | KC1 | CHB-C4A-C3A | -6.69 | 114.53 | 124.98 |
| 11 | 6 | 301 | CLA | CMD-C2D-C1D | 6.69 | 136.50 | 124.71 |
| 14 | 15 | 317 | A86 | C36-C31-C32 | -6.69 | 113.06 | 119.70 |
| 12 | 10 | 312 | KC1 | CHB-C4A-C3A | -6.69 | 114.53 | 124.98 |
| 11 | 13 | 309 | CLA | CMD-C2D-C1D | 6.69 | 136.50 | 124.71 |
| 12 | 11 | 311 | KC1 | CHB-C4A-C3A | -6.68 | 114.54 | 124.98 |
| 11 | 10 | 308 | CLA | CMD-C2D-C1D | 6.68 | 136.49 | 124.71 |
| 13 | 12 | 317 | DD6 | C13-C11-C10 | -6.68 | 108.69 | 118.94 |
| 11 | 14 | 309 | CLA | CMD-C2D-C1D | 6.68 | 136.48 | 124.71 |
| 11 | 6 | 313 | CLA | CMD-C2D-C1D | 6.67 | 136.47 | 124.71 |
| 12 | 14 | 306 | KC1 | C3A-C4A-NA | 6.67 | 117.85 | 110.57 |
| 11 | 15 | 304 | CLA | CMD-C2D-C1D | 6.67 | 136.46 | 124.71 |
| 11 | 7 | 306 | CLA | CMD-C2D-C1D | 6.67 | 136.46 | 124.71 |
| 13 | 10 | 313 | DD6 | C-C1-C24 | -6.66 | 107.58 | 118.08 |
| 12 | 13 | 310 | KC1 | CHB-C4A-C3A | -6.65 | 114.59 | 124.98 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 14 | 308 | KC1 | C3A-C4A-NA | 6.65 | 117.83 | 110.57 |
| 12 | 12 | 313 | KC1 | C3B-C2B-C1B | -6.65 | 100.73 | 107.08 |
| 11 | 16 | 309 | CLA | CMD-C2D-C1D | 6.64 | 136.42 | 124.71 |
| 12 | 6 | 309 | KC1 | C1A-C2A-C3A | -6.64 | 101.84 | 107.11 |
| 12 | 13 | 310 | KC1 | C1A-C2A-C3A | -6.64 | 101.84 | 107.11 |
| 12 | 13 | 312 | KC1 | CHB-C4A-C3A | -6.64 | 114.61 | 124.98 |
| 12 | 11 | 310 | KC1 | C3A-C4A-NA | 6.64 | 117.82 | 110.57 |
| 12 | 8 | 310 | KC1 | C2B-C1B-NB | 6.63 | 114.99 | 110.10 |
| 12 | 13 | 310 | KC1 | C3A-C4A-NA | 6.63 | 117.81 | 110.57 |
| 11 | 14 | 312 | CLA | CMD-C2D-C1D | 6.63 | 136.39 | 124.71 |
| 11 | 8 | 304 | CLA | CAA-C2A-C3A | -6.62 | 94.64 | 112.78 |
| 12 | 12 | 309 | KC1 | C3B-C2B-C1B | -6.62 | 100.76 | 107.08 |
| 13 | 11 | 312 | DD6 | C12-C11-C13 | -6.61 | 107.66 | 118.08 |
| 12 | 7 | 307 | KC1 | CHB-C4A-C3A | -6.61 | 114.65 | 124.98 |
| 11 | 12 | 312 | CLA | CMD-C2D-C1D | 6.61 | 136.35 | 124.71 |
| 14 | 14 | 321 | A86 | C33-C32-C31 | 6.60 | 115.62 | 109.21 |
| 12 | 11 | 304 | KC1 | C1A-C2A-C3A | -6.59 | 101.88 | 107.11 |
| 12 | 7 | 312 | KC1 | C1A-C2A-C3A | -6.59 | 101.88 | 107.11 |
| 12 | 11 | 310 | KC1 | CHB-C4A-C3A | -6.58 | 114.69 | 124.98 |
| 14 | 14 | 316 | A86 | C17-C16-C15 | 6.58 | 115.88 | 109.16 |
| 11 | 15 | 303 | CLA | CMD-C2D-C1D | 6.58 | 136.30 | 124.71 |
| 11 | 10 | 309 | CLA | CMD-C2D-C1D | 6.58 | 136.30 | 124.71 |
| 14 | 16 | 314 | A86 | C33-C32-C31 | 6.57 | 115.60 | 109.21 |
| 11 | 15 | 313 | CLA | CMD-C2D-C1D | 6.57 | 136.30 | 124.71 |
| 14 | 11 | 301 | A86 | C3-C2-C1 | -6.57 | 117.93 | 127.31 |
| 12 | 7 | 307 | KC1 | C3A-C4A-NA | 6.57 | 117.75 | 110.57 |
| 12 | 10 | 312 | KC1 | C1A-C2A-C3A | -6.57 | 101.90 | 107.11 |
| 13 | 13 | 314 | DD6 | C14-C13-C11 | 6.57 | 135.72 | 125.53 |
| 11 | 15 | 310 | CLA | CMD-C2D-C1D | 6.56 | 136.28 | 124.71 |
| 13 | 6 | 315 | DD6 | C12-C11-C13 | -6.56 | 107.74 | 118.08 |
| 11 | 10 | 305 | CLA | CMD-C2D-C1D | 6.56 | 136.27 | 124.71 |
| 11 | 14 | 303 | CLA | CMD-C2D-C1D | 6.55 | 136.26 | 124.71 |
| 11 | 11 | 305 | CLA | CMD-C2D-C1D | 6.55 | 136.25 | 124.71 |
| 11 | 13 | 301 | CLA | CMD-C2D-C1D | 6.54 | 136.25 | 124.71 |
| 12 | 13 | 311 | KC1 | C1A-C2A-C3A | -6.54 | 101.92 | 107.11 |
| 12 | 8 | 314 | KC1 | C3A-C4A-NA | 6.53 | 117.71 | 110.57 |
| 12 | 6 | 309 | KC1 | CHB-C4A-C3A | -6.53 | 114.77 | 124.98 |
| 11 | 8 | 308 | CLA | CMD-C2D-C1D | 6.53 | 136.23 | 124.71 |
| 12 | 8 | 314 | KC1 | CMA-C3A-C4A | -6.53 | 115.09 | 125.04 |
| 12 | 12 | 305 | KC1 | CHB-C4A-C3A | -6.53 | 114.77 | 124.98 |
| 12 | 8 | 306 | KC1 | CHB-C4A-C3A | -6.53 | 114.77 | 124.98 |
| 11 | 6 | 312 | CLA | CMD-C2D-C1D | 6.53 | 136.22 | 124.71 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 14 | 13 | 315 | A86 | C3-C2-C1 | -6.53 | 117.99 | 127.31 |
| 12 | 10 | 306 | KC1 | O2D-CGD-CBD | 6.53 | 122.87 | 111.27 |
| 12 | 8 | 310 | KC1 | CHB-C4A-C3A | -6.53 | 114.78 | 124.98 |
| 13 | 13 | 314 | DD6 | C-C1-C24 | -6.53 | 107.80 | 118.08 |
| 11 | 10 | 311 | CLA | CMD-C2D-C1D | 6.52 | 136.20 | 124.71 |
| 14 | 6 | 317 | A86 | O1-C20-C21 | -6.52 | 107.25 | 115.06 |
| 11 | 15 | 312 | CLA | CHD-C1D-ND | -6.51 | 118.47 | 124.45 |
| 14 | 15 | 322 | A86 | C25-C26-C27 | -6.51 | 118.02 | 127.31 |
| 13 | 6 | 318 | DD6 | C24-C1-C2 | -6.50 | 108.96 | 118.94 |
| 11 | 11 | 303 | CLA | CMD-C2D-C1D | 6.50 | 136.17 | 124.71 |
| 12 | 13 | 312 | KC1 | C1A-C2A-C3A | -6.50 | 101.95 | 107.11 |
| 12 | 11 | 310 | KC1 | C1A-C2A-C3A | -6.50 | 101.96 | 107.11 |
| 11 | 14 | 310 | CLA | CHD-C1D-ND | -6.50 | 118.48 | 124.45 |
| 11 | 15 | 305 | CLA | CMD-C2D-C1D | 6.49 | 136.16 | 124.71 |
| 12 | 13 | 306 | KC1 | C2B-C1B-NB | 6.49 | 114.89 | 110.10 |
| 13 | 7 | 301 | DD6 | C8-C6-C5 | -6.49 | 108.99 | 118.94 |
| 11 | 8 | 305 | CLA | CMD-C2D-C1D | 6.48 | 136.14 | 124.71 |
| 11 | 15 | 309 | CLA | CHD-C1D-ND | -6.48 | 118.50 | 124.45 |
| 12 | 12 | 313 | KC1 | CMD-C2D-C1D | 6.48 | 138.42 | 128.46 |
| 11 | 16 | 301 | CLA | CHD-C4C-C3C | -6.48 | 115.32 | 124.84 |
| 11 | 13 | 309 | CLA | C2C-C1C-NC | 6.47 | 116.03 | 109.97 |
| 12 | 13 | 305 | KC1 | C3A-C4A-NA | 6.47 | 117.64 | 110.57 |
| 12 | 14 | 306 | KC1 | CHB-C4A-C3A | -6.46 | 114.89 | 124.98 |
| 12 | 7 | 312 | KC1 | C3B-C2B-C1B | -6.46 | 100.91 | 107.08 |
| 13 | 7 | 301 | DD6 | C13-C11-C10 | -6.45 | 109.04 | 118.94 |
| 12 | 6 | 309 | KC1 | C3A-C4A-NA | 6.45 | 117.61 | 110.57 |
| 12 | 12 | 311 | KC1 | C3A-C4A-NA | 6.45 | 117.61 | 110.57 |
| 12 | 13 | 312 | KC1 | C3A-C4A-NA | 6.45 | 117.61 | 110.57 |
| 13 | 10 | 314 | DD6 | C-C1-C24 | -6.45 | 107.92 | 118.08 |
| 12 | 10 | 306 | KC1 | CHB-C4A-C3A | -6.45 | 114.91 | 124.98 |
| 11 | 7 | 308 | CLA | CMD-C2D-C1D | 6.44 | 136.07 | 124.71 |
| 12 | 6 | 310 | KC1 | CHB-C4A-C3A | -6.44 | 114.92 | 124.98 |
| 11 | 16 | 302 | CLA | CMD-C2D-C1D | 6.44 | 136.06 | 124.71 |
| 11 | 10 | 308 | CLA | CHD-C1D-ND | -6.43 | 118.54 | 124.45 |
| 12 | 8 | 310 | KC1 | C1A-C2A-C3A | -6.42 | 102.01 | 107.11 |
| 12 | 8 | 311 | KC1 | CHB-C4A-C3A | -6.42 | 114.95 | 124.98 |
| 11 | 6 | 303 | CLA | CMD-C2D-C1D | 6.42 | 136.02 | 124.71 |
| 11 | 11 | 309 | CLA | CMD-C2D-C1D | 6.40 | 136.00 | 124.71 |
| 13 | 8 | 316 | DD6 | C32-C31-C36 | -6.40 | 113.60 | 122.63 |
| 12 | 12 | 305 | KC1 | C3A-C4A-NA | 6.40 | 117.56 | 110.57 |
| 11 | 13 | 307 | CLA | CMD-C2D-C1D | 6.40 | 135.99 | 124.71 |
| 11 | 14 | 305 | CLA | CMD-C2D-C1D | 6.40 | 135.99 | 124.71 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 12 | 313 | KC1 | C3A-C4A-NA | 6.39 | 117.55 | 110.57 |
| 11 | 14 | 307 | CLA | CMD-C2D-C1D | 6.39 | 135.98 | 124.71 |
| 11 | 11 | 308 | CLA | CMD-C2D-C1D | 6.39 | 135.97 | 124.71 |
| 12 | 8 | 307 | KC1 | CHB-C4A-C3A | -6.39 | 115.00 | 124.98 |
| 11 | 6 | 314 | CLA | CMD-C2D-C1D | 6.38 | 135.96 | 124.71 |
| 11 | 12 | 321 | CLA | CMD-C2D-C1D | 6.38 | 135.96 | 124.71 |
| 12 | 14 | 308 | KC1 | CMA-C3A-C2A | -6.37 | 112.71 | 128.30 |
| 14 | 13 | 315 | A86 | C4-C5-C6 | -6.37 | 118.23 | 127.31 |
| 11 | 6 | 302 | CLA | CMD-C2D-C1D | 6.36 | 135.92 | 124.71 |
| 11 | 11 | 305 | CLA | CHD-C1D-ND | -6.36 | 118.61 | 124.45 |
| 13 | 7 | 316 | DD6 | C12-C11-C13 | -6.36 | 108.06 | 118.08 |
| 13 | 16 | 313 | DD6 | C9-C10-C11 | -6.35 | 118.24 | 127.31 |
| 11 | 6 | 307 | CLA | CMD-C2D-C1D | 6.35 | 135.91 | 124.71 |
| 11 | 16 | 307 | CLA | CMD-C2D-C1D | 6.35 | 135.91 | 124.71 |
| 11 | 12 | 304 | CLA | CMD-C2D-C1D | 6.35 | 135.90 | 124.71 |
| 11 | 15 | 302 | CLA | O2D-CGD-CBD | 6.35 | 122.55 | 111.27 |
| 12 | 6 | 310 | KC1 | C3A-C4A-NA | 6.35 | 117.50 | 110.57 |
| 12 | 8 | 313 | KC1 | C3B-C2B-C1B | -6.33 | 101.03 | 107.08 |
| 11 | 14 | 305 | CLA | CHD-C1D-ND | -6.32 | 118.64 | 124.45 |
| 11 | 16 | 303 | CLA | CHD-C1D-ND | -6.32 | 118.64 | 124.45 |
| 12 | 13 | 308 | KC1 | C1A-C2A-C3A | -6.32 | 102.10 | 107.11 |
| 12 | 14 | 308 | KC1 | C3C-C4C-NC | 6.32 | 115.82 | 109.88 |
| 14 | 15 | 315 | A86 | C3-C4-C5 | -6.31 | 110.54 | 123.47 |
| 11 | 16 | 301 | CLA | CMD-C2D-C1D | 6.31 | 135.84 | 124.71 |
| 12 | 7 | 312 | KC1 | C3A-C4A-NA | 6.31 | 117.46 | 110.57 |
| 11 | 15 | 306 | CLA | CMD-C2D-C1D | 6.31 | 135.83 | 124.71 |
| 11 | 12 | 302 | CLA | CHD-C4C-C3C | -6.30 | 115.58 | 124.84 |
| 11 | 10 | 304 | CLA | CMD-C2D-C1D | 6.30 | 135.81 | 124.71 |
| 11 | 14 | 313 | CLA | CHD-C1D-ND | -6.30 | 118.67 | 124.45 |
| 12 | 7 | 307 | KC1 | CMA-C3A-C2A | -6.30 | 112.89 | 128.30 |
| 11 | 16 | 303 | CLA | CMD-C2D-C1D | 6.29 | 135.80 | 124.71 |
| 12 | 7 | 307 | KC1 | C1A-C2A-C3A | -6.29 | 102.12 | 107.11 |
| 11 | 8 | 302 | CLA | CHD-C1D-ND | -6.29 | 118.68 | 124.45 |
| 11 | 7 | 303 | CLA | CMD-C2D-C1D | 6.28 | 135.79 | 124.71 |
| 14 | 6 | 317 | A86 | C33-C32-C31 | 6.28 | 115.32 | 109.21 |
| 11 | 15 | 304 | CLA | CHD-C1D-ND | -6.28 | 118.68 | 124.45 |
| 14 | 13 | 315 | A86 | C25-C26-C27 | -6.27 | 118.36 | 127.31 |
| 13 | 6 | 315 | DD6 | C32-C31-C36 | -6.26 | 113.79 | 122.63 |
| 14 | 15 | 320 | A86 | C4-C5-C6 | -6.26 | 118.37 | 127.31 |
| 12 | 14 | 306 | KC1 | CAC-C3C-C4C | 6.26 | 132.93 | 124.81 |
| 14 | 10 | 301 | A86 | C4-C5-C6 | -6.26 | 118.38 | 127.31 |
| 12 | 16 | 304 | KC1 | C3A-C4A-NA | 6.26 | 117.41 | 110.57 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 13 | 8 | 316 | DD6 | C24-C1-C2 | -6.25 | 109.35 | 118.94 |
| 14 | 11 | 313 | A86 | C33-C32-C31 | 6.25 | 115.29 | 109.21 |
| 12 | 11 | 304 | KC1 | CHB-C4A-C3A | -6.25 | 115.21 | 124.98 |
| 11 | 14 | 304 | CLA | CHD-C1D-ND | -6.25 | 118.71 | 124.45 |
| 11 | 10 | 305 | CLA | CHD-C1D-ND | -6.24 | 118.72 | 124.45 |
| 11 | 13 | 303 | CLA | CHD-C1D-ND | -6.24 | 118.72 | 124.45 |
| 11 | 15 | 307 | CLA | C2C-C1C-NC | 6.24 | 115.82 | 109.97 |
| 11 | 7 | 306 | CLA | CHD-C1D-ND | -6.24 | 118.72 | 124.45 |
| 12 | 12 | 305 | KC1 | C1A-C2A-C3A | -6.23 | 102.17 | 107.11 |
| 12 | 13 | 310 | KC1 | C3C-C4C-NC | 6.23 | 115.74 | 109.88 |
| 12 | 8 | 306 | KC1 | C3A-C4A-NA | 6.23 | 117.37 | 110.57 |
| 12 | 8 | 307 | KC1 | C3A-C4A-NA | 6.22 | 117.37 | 110.57 |
| 12 | 16 | 311 | KC1 | C3B-C2B-C1B | -6.22 | 101.13 | 107.08 |
| 11 | 15 | 306 | CLA | C2C-C1C-NC | 6.22 | 115.80 | 109.97 |
| 11 | 11 | 308 | CLA | CHD-C1D-ND | -6.22 | 118.74 | 124.45 |
| 11 | 12 | 304 | CLA | CHD-C1D-ND | -6.21 | 118.75 | 124.45 |
| 13 | 10 | 314 | DD6 | C32-C31-C36 | -6.21 | 113.86 | 122.63 |
| 12 | 11 | 304 | KC1 | C3A-C4A-NA | 6.21 | 117.35 | 110.57 |
| 12 | 8 | 310 | KC1 | C3A-C4A-NA | 6.21 | 117.35 | 110.57 |
| 11 | 7 | 304 | CLA | CHD-C1D-ND | -6.19 | 118.76 | 124.45 |
| 12 | 8 | 314 | KC1 | C3B-C2B-C1B | -6.19 | 101.16 | 107.08 |
| 11 | 11 | 307 | CLA | CHD-C1D-ND | -6.17 | 118.79 | 124.45 |
| 12 | 14 | 306 | KC1 | O2D-CGD-CBD | 6.16 | 122.22 | 111.27 |
| 12 | 10 | 310 | KC1 | C1A-C2A-C3A | -6.16 | 102.22 | 107.11 |
| 11 | 16 | 308 | CLA | CHD-C1D-ND | -6.16 | 118.80 | 124.45 |
| 11 | 14 | 302 | CLA | CHD-C1D-ND | -6.15 | 118.80 | 124.45 |
| 12 | 13 | 306 | KC1 | CHB-C4A-C3A | -6.15 | 115.38 | 124.98 |
| 11 | 7 | 309 | CLA | CHD-C1D-ND | -6.14 | 118.81 | 124.45 |
| 13 | 15 | 319 | DD6 | C12-C11-C13 | -6.14 | 108.40 | 118.08 |
| 13 | 10 | 313 | DD6 | C32-C31-C36 | -6.13 | 113.98 | 122.63 |
| 12 | 11 | 311 | KC1 | C3A-C4A-NA | 6.13 | 117.26 | 110.57 |
| 11 | 15 | 303 | CLA | CHD-C1D-ND | -6.12 | 118.83 | 124.45 |
| 11 | 12 | 302 | CLA | CMD-C2D-C1D | 6.12 | 135.50 | 124.71 |
| 13 | 13 | 314 | DD6 | C32-C31-C36 | -6.12 | 113.99 | 122.63 |
| 11 | 8 | 305 | CLA | CHD-C4C-C3C | -6.12 | 115.85 | 124.84 |
| 12 | 8 | 312 | KC1 | C2B-C1B-NB | 6.12 | 114.61 | 110.10 |
| 13 | 12 | 317 | DD6 | C24-C1-C2 | -6.11 | 109.56 | 118.94 |
| 14 | 11 | 315 | A86 | O4-C38-C39 | 6.11 | 122.33 | 111.09 |
| 11 | 15 | 302 | CLA | C4A-NA-C1A | -6.11 | 103.96 | 106.71 |
| 13 | 6 | 316 | DD6 | C-C1-C24 | -6.11 | 108.45 | 118.08 |
| 11 | 13 | 302 | CLA | CMD-C2D-C1D | 6.11 | 135.48 | 124.71 |
| 12 | 11 | 306 | KC1 | C3B-C2B-C1B | -6.10 | 101.25 | 107.08 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 13 | 311 | KC1 | CMA-C3A-C4A | -6.09 | 115.76 | 125.04 |
| 14 | 10 | 301 | A86 | O1-C20-C21 | -6.09 | 107.76 | 115.06 |
| 11 | 12 | 307 | CLA | CHD-C4C-C3C | -6.08 | 115.90 | 124.84 |
| 14 | 11 | 301 | A86 | C17-C16-C15 | 6.08 | 115.37 | 109.16 |
| 14 | 6 | 317 | A86 | C20-C19-C18 | -6.08 | 100.71 | 112.75 |
| 12 | 13 | 306 | KC1 | C3A-C4A-NA | 6.08 | 117.21 | 110.57 |
| 14 | 10 | 316 | A86 | C17-C16-C15 | 6.08 | 115.37 | 109.16 |
| 12 | 13 | 311 | KC1 | C3A-C4A-NA | 6.07 | 117.20 | 110.57 |
| 12 | 6 | 305 | KC1 | C3C-C4C-NC | 6.07 | 115.59 | 109.88 |
| 12 | 14 | 311 | KC1 | C1A-C2A-C3A | -6.06 | 102.30 | 107.11 |
| 11 | 8 | 302 | CLA | CHD-C4C-C3C | -6.06 | 115.93 | 124.84 |
| 12 | 11 | 310 | KC1 | C3B-C2B-C1B | -6.05 | 101.30 | 107.08 |
| 13 | 11 | 312 | DD6 | C-C1-C24 | -6.05 | 108.54 | 118.08 |
| 12 | 10 | 312 | KC1 | C3B-C2B-C1B | -6.05 | 101.30 | 107.08 |
| 11 | 11 | 303 | CLA | CHD-C4C-C3C | -6.04 | 115.96 | 124.84 |
| 14 | 11 | 301 | A86 | C4-C5-C6 | -6.04 | 118.69 | 127.31 |
| 11 | 8 | 308 | CLA | CHD-C1D-ND | -6.03 | 118.92 | 124.45 |
| 12 | 16 | 304 | KC1 | C3B-C2B-C1B | -6.03 | 101.32 | 107.08 |
| 12 | 8 | 311 | KC1 | C3B-C2B-C1B | -6.02 | 101.32 | 107.08 |
| 11 | 14 | 312 | CLA | CHD-C1D-ND | -6.02 | 118.92 | 124.45 |
| 11 | 12 | 303 | CLA | CMD-C2D-C1D | 6.01 | 135.31 | 124.71 |
| 11 | 6 | 303 | CLA | CHD-C1D-ND | -6.01 | 118.93 | 124.45 |
| 11 | 13 | 304 | CLA | CHD-C1D-ND | -6.01 | 118.93 | 124.45 |
| 11 | 12 | 310 | CLA | CMD-C2D-C1D | 6.01 | 135.31 | 124.71 |
| 11 | 13 | 301 | CLA | CHD-C4C-C3C | -6.01 | 116.01 | 124.84 |
| 14 | 10 | 301 | A86 | C-C1-C24 | 6.00 | 127.53 | 118.08 |
| 11 | 7 | 306 | CLA | CHD-C4C-C3C | -6.00 | 116.03 | 124.84 |
| 13 | 16 | 313 | DD6 | C32-C31-C36 | -5.99 | 114.17 | 122.63 |
| 11 | 7 | 302 | CLA | CHD-C4C-C3C | -5.99 | 116.03 | 124.84 |
| 12 | 14 | 311 | KC1 | C3C-C4C-NC | 5.99 | 115.52 | 109.88 |
| 11 | 12 | 312 | CLA | CHD-C1D-ND | -5.98 | 118.96 | 124.45 |
| 11 | 10 | 303 | CLA | CHD-C4C-C3C | -5.98 | 116.06 | 124.84 |
| 11 | 12 | 310 | CLA | CHD-C4C-C3C | -5.97 | 116.07 | 124.84 |
| 11 | 6 | 311 | CLA | CHD-C1D-ND | -5.96 | 118.97 | 124.45 |
| 12 | 6 | 305 | KC1 | C3B-C2B-C1B | -5.96 | 101.38 | 107.08 |
| 12 | 12 | 305 | KC1 | C3B-C2B-C1B | -5.96 | 101.39 | 107.08 |
| 11 | 7 | 305 | CLA | C2C-C1C-NC | 5.96 | 115.55 | 109.97 |
| 11 | 16 | 303 | CLA | CHD-C4C-C3C | -5.96 | 116.08 | 124.84 |
| 11 | 16 | 309 | CLA | O2D-CGD-CBD | 5.96 | 121.85 | 111.27 |
| 12 | 14 | 308 | KC1 | C1A-C2A-C3A | -5.95 | 102.39 | 107.11 |
| 14 | 10 | 317 | A86 | C33-C32-C31 | 5.95 | 114.99 | 109.21 |
| 12 | 6 | 308 | KC1 | C1A-NA-C4A | -5.95 | 104.03 | 106.71 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 13 | 310 | KC1 | C3B-C2B-C1B | -5.95 | 101.40 | 107.08 |
| 11 | 11 | 303 | CLA | CHD-C1D-ND | -5.95 | 118.99 | 124.45 |
| 11 | 6 | 306 | CLA | CMD-C2D-C1D | 5.94 | 135.18 | 124.71 |
| 11 | 7 | 310 | CLA | CMD-C2D-C1D | 5.94 | 135.18 | 124.71 |
| 11 | 16 | 309 | CLA | CHD-C1D-ND | -5.94 | 119.00 | 124.45 |
| 11 | 14 | 313 | CLA | CHD-C4C-C3C | -5.94 | 116.11 | 124.84 |
| 11 | 15 | 303 | CLA | C2C-C1C-NC | 5.93 | 115.53 | 109.97 |
| 12 | 13 | 308 | KC1 | C3B-C2B-C1B | -5.93 | 101.41 | 107.08 |
| 11 | 16 | 302 | CLA | CHD-C4C-C3C | -5.92 | 116.13 | 124.84 |
| 11 | 12 | 308 | CLA | CMD-C2D-C1D | 5.92 | 135.15 | 124.71 |
| 13 | 6 | 315 | DD6 | C-C1-C24 | -5.92 | 108.75 | 118.08 |
| 13 | 16 | 313 | DD6 | C24-C1-C2 | -5.92 | 109.86 | 118.94 |
| 13 | 13 | 314 | DD6 | C21-C20-C19 | -5.91 | 107.63 | 114.28 |
| 12 | 11 | 306 | KC1 | C1A-C2A-C3A | -5.91 | 102.42 | 107.11 |
| 11 | 8 | 303 | CLA | O2D-CGD-CBD | 5.91 | 121.77 | 111.27 |
| 14 | 14 | 320 | A86 | C20-C19-C18 | -5.90 | 101.08 | 112.75 |
| 14 | 10 | 315 | A86 | C3-C2-C1 | -5.90 | 118.90 | 127.31 |
| 12 | 10 | 310 | KC1 | C1A-NA-C4A | -5.89 | 104.06 | 106.71 |
| 11 | 14 | 309 | CLA | C2C-C1C-NC | 5.89 | 115.49 | 109.97 |
| 11 | 6 | 301 | CLA | CHD-C1D-ND | -5.89 | 119.04 | 124.45 |
| 13 | 7 | 317 | DD6 | C8-C6-C5 | -5.89 | 109.90 | 118.94 |
| 11 | 10 | 303 | CLA | CMD-C2D-C1D | 5.88 | 135.08 | 124.71 |
| 11 | 8 | 301 | CLA | C2C-C1C-NC | 5.88 | 115.48 | 109.97 |
| 11 | 15 | 310 | CLA | CHD-C1D-ND | -5.88 | 119.05 | 124.45 |
| 11 | 10 | 304 | CLA | CHD-C4C-C3C | -5.88 | 116.19 | 124.84 |
| 14 | 11 | 301 | A86 | C7-C6-C8 | 5.88 | 127.34 | 118.08 |
| 11 | 14 | 309 | CLA | CHD-C1D-ND | -5.88 | 119.05 | 124.45 |
| 11 | 10 | 309 | CLA | CHD-C1D-ND | -5.87 | 119.06 | 124.45 |
| 14 | 10 | 301 | A86 | C4-C3-C2 | -5.87 | 111.45 | 123.47 |
| 12 | 12 | 311 | KC1 | C3B-C2B-C1B | -5.87 | 101.47 | 107.08 |
| 11 | 12 | 303 | CLA | CHD-C4C-C3C | -5.87 | 116.22 | 124.84 |
| 14 | 10 | 317 | A86 | C4-C5-C6 | -5.86 | 118.94 | 127.31 |
| 11 | 6 | 313 | CLA | CHD-C1D-ND | -5.86 | 119.07 | 124.45 |
| 11 | 8 | 301 | CLA | CHD-C4C-C3C | -5.86 | 116.23 | 124.84 |
| 11 | 10 | 308 | CLA | CHD-C4C-C3C | -5.86 | 116.23 | 124.84 |
| 12 | 8 | 312 | KC1 | CHB-C4A-C3A | -5.86 | 115.83 | 124.98 |
| 11 | 12 | 308 | CLA | CHD-C4C-C3C | -5.86 | 116.23 | 124.84 |
| 11 | 11 | 308 | CLA | O2D-CGD-CBD | 5.86 | 121.68 | 111.27 |
| 11 | 6 | 307 | CLA | C2C-C1C-NC | 5.85 | 115.46 | 109.97 |
| 11 | 15 | 313 | CLA | CHD-C1D-ND | -5.85 | 119.08 | 124.45 |
| 11 | 8 | 309 | CLA | C2C-C1C-NC | 5.85 | 115.45 | 109.97 |
| 13 | 16 | 313 | DD6 | C-C1-C24 | -5.85 | 108.86 | 118.08 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 6 | 302 | CLA | CHD-C1D-ND | -5.85 | 119.08 | 124.45 |
| 11 | 14 | 303 | CLA | CHD-C1D-ND | -5.85 | 119.08 | 124.45 |
| 11 | 13 | 309 | CLA | CHD-C1D-ND | -5.85 | 119.08 | 124.45 |
| 11 | 10 | 307 | CLA | CMD-C2D-C1D | 5.84 | 135.01 | 124.71 |
| 11 | 16 | 305 | CLA | CMD-C2D-C1D | 5.84 | 135.01 | 124.71 |
| 12 | 12 | 313 | KC1 | C3C-C4C-NC | 5.83 | 115.37 | 109.88 |
| 11 | 15 | 303 | CLA | CHD-C4C-C3C | -5.83 | 116.27 | 124.84 |
| 14 | 14 | 317 | A86 | C41-C32-C31 | -5.82 | 105.26 | 110.47 |
| 11 | 15 | 312 | CLA | CBA-CAA-C2A | -5.82 | 96.68 | 113.86 |
| 11 | 15 | 312 | CLA | O2D-CGD-CBD | 5.81 | 121.60 | 111.27 |
| 12 | 10 | 306 | KC1 | CMD-C2D-C1D | 5.81 | 137.40 | 128.46 |
| 11 | 14 | 313 | CLA | O2D-CGD-CBD | 5.81 | 121.60 | 111.27 |
| 11 | 15 | 307 | CLA | CMD-C2D-C1D | 5.81 | 134.95 | 124.71 |
| 11 | 14 | 302 | CLA | O2D-CGD-CBD | 5.81 | 121.58 | 111.27 |
| 14 | 6 | 317 | A86 | C4-C5-C6 | -5.80 | 119.03 | 127.31 |
| 11 | 7 | 303 | CLA | CHD-C1D-ND | -5.80 | 119.13 | 124.45 |
| 11 | 13 | 307 | CLA | C2C-C1C-NC | 5.80 | 115.40 | 109.97 |
| 11 | 8 | 304 | CLA | CHD-C4C-C3C | -5.79 | 116.32 | 124.84 |
| 11 | 16 | 310 | CLA | CHD-C4C-C3C | -5.79 | 116.33 | 124.84 |
| 12 | 10 | 306 | KC1 | C3A-C4A-NA | 5.79 | 116.90 | 110.57 |
| 12 | 8 | 307 | KC1 | C3B-C2B-C1B | -5.79 | 101.55 | 107.08 |
| 11 | 10 | 307 | CLA | CHD-C4C-C3C | -5.79 | 116.33 | 124.84 |
| 12 | 13 | 311 | KC1 | C2B-C1B-NB | 5.79 | 114.37 | 110.10 |
| 12 | 6 | 310 | KC1 | C3B-C2B-C1B | -5.79 | 101.55 | 107.08 |
| 11 | 16 | 310 | CLA | CHD-C1D-ND | -5.78 | 119.14 | 124.45 |
| 11 | 12 | 307 | CLA | C4A-NA-C1A | -5.78 | 104.11 | 106.71 |
| 12 | 8 | 311 | KC1 | C3A-C4A-NA | 5.78 | 116.88 | 110.57 |
| 11 | 8 | 308 | CLA | CHD-C4C-C3C | -5.77 | 116.36 | 124.84 |
| 11 | 7 | 308 | CLA | C2C-C1C-NC | 5.77 | 115.38 | 109.97 |
| 12 | 8 | 312 | KC1 | CMA-C3A-C4A | -5.77 | 116.25 | 125.04 |
| 13 | 13 | 314 | DD6 | C24-C1-C2 | -5.77 | 110.09 | 118.94 |
| 14 | 14 | 320 | A86 | C4-C3-C2 | -5.77 | 111.66 | 123.47 |
| 12 | 13 | 305 | KC1 | C3B-C2B-C1B | -5.76 | 101.57 | 107.08 |
| 11 | 6 | 303 | CLA | CHD-C4C-C3C | -5.76 | 116.37 | 124.84 |
| 13 | 7 | 317 | DD6 | C13-C11-C10 | -5.76 | 110.10 | 118.94 |
| 11 | 6 | 312 | CLA | C2C-C1C-NC | 5.75 | 115.36 | 109.97 |
| 12 | 8 | 310 | KC1 | C3B-C2B-C1B | -5.75 | 101.58 | 107.08 |
| 12 | 14 | 311 | KC1 | C3B-C2B-C1B | -5.75 | 101.58 | 107.08 |
| 12 | 14 | 308 | KC1 | C3B-C2B-C1B | -5.75 | 101.58 | 107.08 |
| 14 | 10 | 302 | A86 | O4-C38-C39 | 5.75 | 121.67 | 111.09 |
| 12 | 13 | 311 | KC1 | CHB-C4A-C3A | -5.75 | 116.00 | 124.98 |
| 11 | 15 | 314 | CLA | C2C-C1C-NC | 5.75 | 115.36 | 109.97 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 13 | 6 | 316 | DD6 | C8-C6-C5 | -5.75 | 110.12 | 118.94 |
| 12 | 10 | 306 | KC1 | C3B-C2B-C1B | -5.74 | 101.59 | 107.08 |
| 11 | 12 | 306 | CLA | C2C-C1C-NC | 5.74 | 115.35 | 109.97 |
| 11 | 6 | 313 | CLA | C2C-C1C-NC | 5.74 | 115.35 | 109.97 |
| 14 | 11 | 314 | A86 | C25-C26-C27 | -5.74 | 119.12 | 127.31 |
| 11 | 16 | 305 | CLA | C2C-C1C-NC | 5.73 | 115.34 | 109.97 |
| 11 | 16 | 308 | CLA | C2C-C1C-NC | 5.73 | 115.34 | 109.97 |
| 11 | 12 | 303 | CLA | C2C-C1C-NC | 5.73 | 115.34 | 109.97 |
| 11 | 13 | 304 | CLA | C2C-C1C-NC | 5.73 | 115.34 | 109.97 |
| 13 | 7 | 316 | DD6 | C13-C11-C10 | -5.73 | 110.16 | 118.94 |
| 11 | 16 | 309 | CLA | C2C-C1C-NC | 5.72 | 115.33 | 109.97 |
| 13 | 11 | 312 | DD6 | C8-C6-C5 | -5.72 | 110.16 | 118.94 |
| 14 | 15 | 322 | A86 | C4-C3-C2 | -5.72 | 111.76 | 123.47 |
| 12 | 6 | 310 | KC1 | C1A-C2A-C3A | -5.72 | 102.57 | 107.11 |
| 11 | 13 | 302 | CLA | CHD-C4C-C3C | -5.72 | 116.43 | 124.84 |
| 13 | 12 | 315 | DD6 | C12-C11-C13 | -5.72 | 109.07 | 118.08 |
| 11 | 7 | 311 | CLA | CHD-C1D-ND | -5.72 | 119.20 | 124.45 |
| 12 | 8 | 313 | KC1 | C3C-C4C-NC | 5.71 | 115.26 | 109.88 |
| 12 | 11 | 311 | KC1 | C3B-C2B-C1B | -5.71 | 101.62 | 107.08 |
| 11 | 15 | 311 | CLA | CHD-C1D-ND | -5.71 | 119.21 | 124.45 |
| 11 | 15 | 302 | CLA | CHD-C4C-C3C | -5.70 | 116.45 | 124.84 |
| 12 | 13 | 306 | KC1 | C3C-C4C-NC | 5.70 | 115.25 | 109.88 |
| 11 | 15 | 313 | CLA | CHD-C4C-C3C | -5.70 | 116.46 | 124.84 |
| 11 | 15 | 305 | CLA | CHD-C1D-ND | -5.70 | 119.21 | 124.45 |
| 11 | 8 | 303 | CLA | C2C-C1C-NC | 5.70 | 115.31 | 109.97 |
| 11 | 6 | 306 | CLA | CHD-C4C-C3C | -5.70 | 116.46 | 124.84 |
| 14 | 11 | 314 | A86 | C17-C16-C15 | 5.70 | 114.98 | 109.16 |
| 13 | 6 | 316 | DD6 | C32-C31-C36 | -5.70 | 114.59 | 122.63 |
| 11 | 16 | 306 | CLA | CMD-C2D-C1D | 5.70 | 134.75 | 124.71 |
| 11 | 10 | 311 | CLA | CHD-C1D-ND | -5.70 | 119.22 | 124.45 |
| 12 | 16 | 311 | KC1 | C3C-C4C-NC | 5.69 | 115.24 | 109.88 |
| 14 | 10 | 302 | A86 | C7-C6-C8 | 5.69 | 127.05 | 118.08 |
| 11 | 15 | 304 | CLA | C2C-C1C-NC | 5.69 | 115.30 | 109.97 |
| 13 | 15 | 318 | DD6 | C12-C11-C13 | -5.69 | 109.12 | 118.08 |
| 12 | 14 | 306 | KC1 | C3C-C4C-NC | 5.68 | 115.23 | 109.88 |
| 11 | 15 | 305 | CLA | O2D-CGD-CBD | 5.68 | 121.37 | 111.27 |
| 11 | 10 | 311 | CLA | CHD-C4C-C3C | -5.68 | 116.49 | 124.84 |
| 14 | 11 | 301 | A86 | C25-C26-C27 | -5.68 | 119.20 | 127.31 |
| 11 | 10 | 304 | CLA | CHD-C1D-ND | -5.68 | 119.23 | 124.45 |
| 11 | 15 | 311 | CLA | CHD-C4C-C3C | -5.68 | 116.49 | 124.84 |
| 11 | 6 | 312 | CLA | CHD-C1D-ND | -5.68 | 119.24 | 124.45 |
| 11 | 7 | 303 | CLA | C2C-C1C-NC | 5.67 | 115.29 | 109.97 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 13 | 7 | 316 | DD6 | C32-C31-C36 | -5.67 | 114.63 | 122.63 |
| 11 | 12 | 312 | CLA | CHD-C4C-C3C | -5.67 | 116.51 | 124.84 |
| 12 | 12 | 305 | KC1 | C3C-C4C-NC | 5.67 | 115.21 | 109.88 |
| 11 | 7 | 309 | CLA | CHD-C4C-C3C | -5.67 | 116.51 | 124.84 |
| 12 | 6 | 308 | KC1 | C3C-C4C-NC | 5.66 | 115.21 | 109.88 |
| 11 | 15 | 311 | CLA | C2C-C1C-NC | 5.66 | 115.28 | 109.97 |
| 12 | 13 | 305 | KC1 | C3C-C4C-NC | 5.66 | 115.20 | 109.88 |
| 13 | 15 | 319 | DD6 | C24-C1-C2 | -5.66 | 110.26 | 118.94 |
| 14 | 11 | 313 | A86 | C41-C32-C31 | -5.65 | 105.41 | 110.47 |
| 14 | 16 | 314 | A86 | C25-C26-C27 | -5.65 | 119.24 | 127.31 |
| 12 | 8 | 311 | KC1 | CMD-C2D-C1D | 5.65 | 137.14 | 128.46 |
| 14 | 14 | 319 | A86 | O4-C38-C39 | 5.65 | 121.47 | 111.09 |
| 12 | 14 | 308 | KC1 | O2D-CGD-CBD | 5.64 | 121.30 | 111.27 |
| 11 | 11 | 309 | CLA | CHD-C1D-ND | -5.64 | 119.27 | 124.45 |
| 11 | 6 | 314 | CLA | CHD-C1D-ND | -5.64 | 119.27 | 124.45 |
| 11 | 15 | 308 | CLA | O2D-CGD-CBD | 5.64 | 121.29 | 111.27 |
| 13 | 7 | 316 | DD6 | C24-C1-C2 | -5.64 | 110.29 | 118.94 |
| 11 | 16 | 305 | CLA | CHD-C4C-C3C | -5.63 | 116.56 | 124.84 |
| 13 | 15 | 319 | DD6 | C7-C6-C8 | -5.63 | 109.20 | 118.08 |
| 12 | 6 | 309 | KC1 | C3C-C4C-NC | 5.63 | 115.18 | 109.88 |
| 12 | 11 | 311 | KC1 | CMD-C2D-C1D | 5.63 | 137.12 | 128.46 |
| 11 | 15 | 314 | CLA | CHD-C4C-C3C | -5.63 | 116.57 | 124.84 |
| 14 | 14 | 321 | A86 | C17-C16-C15 | 5.62 | 114.90 | 109.16 |
| 13 | 16 | 313 | DD6 | C14-C13-C11 | 5.62 | 134.26 | 125.53 |
| 11 | 7 | 311 | CLA | C2C-C1C-NC | 5.62 | 115.24 | 109.97 |
| 11 | 7 | 310 | CLA | C2C-C1C-NC | 5.62 | 115.24 | 109.97 |
| 12 | 8 | 310 | KC1 | C3C-C4C-NC | 5.62 | 115.17 | 109.88 |
| 12 | 8 | 312 | KC1 | C3C-C4C-NC | 5.61 | 115.16 | 109.88 |
| 12 | 8 | 313 | KC1 | C1A-C2A-C3A | -5.61 | 102.66 | 107.11 |
| 12 | 11 | 304 | KC1 | C3B-C2B-C1B | -5.61 | 101.72 | 107.08 |
| 11 | 16 | 301 | CLA | CHD-C1D-ND | -5.60 | 119.31 | 124.45 |
| 14 | 8 | 315 | A86 | O4-C38-C39 | 5.60 | 121.40 | 111.09 |
| 11 | 6 | 304 | CLA | CHD-C4C-C3C | -5.60 | 116.61 | 124.84 |
| 11 | 15 | 310 | CLA | C2C-C1C-NC | 5.59 | 115.21 | 109.97 |
| 11 | 6 | 314 | CLA | CHD-C4C-C3C | -5.59 | 116.62 | 124.84 |
| 11 | 13 | 302 | CLA | C2C-C1C-NC | 5.59 | 115.21 | 109.97 |
| 11 | 13 | 307 | CLA | O2D-CGD-CBD | 5.58 | 121.19 | 111.27 |
| 11 | 6 | 306 | CLA | O2D-CGD-CBD | 5.58 | 121.19 | 111.27 |
| 11 | 10 | 307 | CLA | CHD-C1D-ND | -5.58 | 119.33 | 124.45 |
| 11 | 6 | 311 | CLA | CHD-C4C-C3C | -5.58 | 116.64 | 124.84 |
| 12 | 6 | 308 | KC1 | C3B-C2B-C1B | -5.58 | 101.75 | 107.08 |
| 11 | 8 | 304 | CLA | CHD-C1D-ND | -5.58 | 119.33 | 124.45 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 10 | 309 | CLA | CHD-C4C-C3C | -5.58 | 116.64 | 124.84 |
| 13 | 15 | 318 | DD6 | C24-C1-C2 | -5.57 | 110.39 | 118.94 |
| 11 | 15 | 308 | CLA | CMD-C2D-C1D | 5.57 | 134.54 | 124.71 |
| 14 | 13 | 315 | A86 | C17-C16-C15 | 5.57 | 114.85 | 109.16 |
| 13 | 12 | 315 | DD6 | C21-C20-C19 | -5.57 | 108.01 | 114.28 |
| 11 | 8 | 304 | CLA | CMD-C2D-C1D | 5.57 | 134.53 | 124.71 |
| 11 | 16 | 309 | CLA | CHD-C4C-C3C | -5.57 | 116.65 | 124.84 |
| 13 | 7 | 301 | DD6 | C24-C1-C2 | -5.57 | 110.39 | 118.94 |
| 12 | 7 | 307 | KC1 | C3C-C4C-NC | 5.57 | 115.12 | 109.88 |
| 12 | 13 | 312 | KC1 | C3B-C2B-C1B | -5.57 | 101.76 | 107.08 |
| 11 | 14 | 307 | CLA | C2C-C1C-NC | 5.56 | 115.19 | 109.97 |
| 11 | 7 | 308 | CLA | CHD-C1D-ND | -5.56 | 119.34 | 124.45 |
| 11 | 13 | 304 | CLA | CHD-C4C-C3C | -5.56 | 116.66 | 124.84 |
| 11 | 14 | 305 | CLA | CHD-C4C-C3C | -5.56 | 116.66 | 124.84 |
| 11 | 11 | 307 | CLA | CHD-C4C-C3C | -5.56 | 116.67 | 124.84 |
| 11 | 6 | 306 | CLA | CHD-C1D-ND | -5.56 | 119.35 | 124.45 |
| 11 | 7 | 308 | CLA | CHD-C4C-C3C | -5.56 | 116.67 | 124.84 |
| 12 | 13 | 305 | KC1 | C1A-C2A-C3A | -5.55 | 102.71 | 107.11 |
| 14 | 14 | 301 | A86 | O4-C38-C39 | 5.55 | 121.30 | 111.09 |
| 11 | 15 | 306 | CLA | CHD-C4C-C3C | -5.55 | 116.68 | 124.84 |
| 13 | 10 | 314 | DD6 | C24-C1-C2 | -5.55 | 110.42 | 118.94 |
| 14 | 15 | 316 | A86 | C3-C2-C1 | -5.55 | 119.39 | 127.31 |
| 11 | 15 | 307 | CLA | CHD-C4C-C3C | -5.55 | 116.69 | 124.84 |
| 11 | 7 | 305 | CLA | CMD-C2D-C1D | 5.55 | 134.49 | 124.71 |
| 11 | 13 | 303 | CLA | O2D-CGD-CBD | 5.55 | 121.12 | 111.27 |
| 12 | 8 | 311 | KC1 | C3C-C4C-NC | 5.54 | 115.10 | 109.88 |
| 12 | 11 | 311 | KC1 | C3C-C4C-NC | 5.54 | 115.10 | 109.88 |
| 11 | 11 | 305 | CLA | CAA-C2A-C3A | -5.54 | 97.60 | 112.78 |
| 13 | 15 | 318 | DD6 | C33-C34-C35 | 5.54 | 117.89 | 110.30 |
| 13 | 7 | 317 | DD6 | C-C1-C24 | -5.53 | 109.36 | 118.08 |
| 11 | 13 | 302 | CLA | CHD-C1D-ND | -5.53 | 119.37 | 124.45 |
| 11 | 13 | 301 | CLA | O2D-CGD-CBD | 5.53 | 121.09 | 111.27 |
| 11 | 8 | 309 | CLA | O2D-CGD-CBD | 5.52 | 121.08 | 111.27 |
| 14 | 12 | 316 | A86 | C3-C2-C1 | -5.52 | 119.43 | 127.31 |
| 11 | 15 | 306 | CLA | CHD-C1D-ND | -5.52 | 119.38 | 124.45 |
| 14 | 10 | 301 | A86 | C20-C19-C18 | -5.52 | 101.83 | 112.75 |
| 11 | 10 | 303 | CLA | C2C-C1C-NC | 5.52 | 115.14 | 109.97 |
| 12 | 12 | 313 | KC1 | O2D-CGD-CBD | 5.51 | 121.06 | 111.27 |
| 11 | 15 | 304 | CLA | CHD-C4C-C3C | -5.51 | 116.74 | 124.84 |
| 13 | 10 | 313 | DD6 | C24-C1-C2 | -5.51 | 110.48 | 118.94 |
| 11 | 13 | 301 | CLA | CHD-C1D-ND | -5.51 | 119.39 | 124.45 |
| 13 | 7 | 301 | DD6 | C21-C20-C15 | -5.51 | 113.03 | 122.26 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 14 | 312 | CLA | CHD-C4C-C3C | -5.51 | 116.75 | 124.84 |
| 14 | 10 | 316 | A86 | C25-C26-C27 | -5.50 | 119.45 | 127.31 |
| 11 | 15 | 305 | CLA | C2C-C1C-NC | 5.50 | 115.13 | 109.97 |
| 11 | 15 | 312 | CLA | C2C-C1C-NC | 5.50 | 115.13 | 109.97 |
| 14 | 12 | 316 | A86 | C4-C5-C6 | -5.50 | 119.46 | 127.31 |
| 11 | 14 | 310 | CLA | C2C-C1C-NC | 5.50 | 115.13 | 109.97 |
| 11 | 10 | 303 | CLA | CHD-C1D-ND | -5.50 | 119.40 | 124.45 |
| 11 | 6 | 307 | CLA | CHD-C1D-ND | -5.50 | 119.40 | 124.45 |
| 11 | 12 | 321 | CLA | CHD-C1D-ND | -5.49 | 119.41 | 124.45 |
| 11 | 14 | 304 | CLA | CHD-C4C-C3C | -5.49 | 116.77 | 124.84 |
| 12 | 16 | 311 | KC1 | CMD-C2D-C1D | 5.49 | 136.90 | 128.46 |
| 11 | 14 | 302 | CLA | CHD-C4C-C3C | -5.49 | 116.77 | 124.84 |
| 11 | 15 | 309 | CLA | CHD-C4C-C3C | -5.49 | 116.77 | 124.84 |
| 11 | 16 | 307 | CLA | CHD-C1D-ND | -5.49 | 119.41 | 124.45 |
| 11 | 14 | 304 | CLA | C2C-C1C-NC | 5.49 | 115.11 | 109.97 |
| 11 | 12 | 306 | CLA | O2D-CGD-CBD | 5.48 | 121.01 | 111.27 |
| 11 | 11 | 305 | CLA | C4A-NA-C1A | -5.48 | 104.24 | 106.71 |
| 14 | 14 | 320 | A86 | O4-C38-C39 | 5.48 | 121.17 | 111.09 |
| 14 | 10 | 317 | A86 | C3-C2-C1 | -5.48 | 119.49 | 127.31 |
| 11 | 6 | 304 | CLA | CHD-C1D-ND | -5.48 | 119.42 | 124.45 |
| 11 | 15 | 310 | CLA | CHD-C4C-C3C | -5.48 | 116.79 | 124.84 |
| 11 | 12 | 312 | CLA | C2C-C1C-NC | 5.47 | 115.10 | 109.97 |
| 14 | 8 | 318 | A86 | C10-C9-C8 | -5.47 | 106.15 | 123.22 |
| 11 | 7 | 303 | CLA | CHD-C4C-C3C | -5.47 | 116.81 | 124.84 |
| 11 | 8 | 302 | CLA | C4A-NA-C1A | -5.47 | 104.25 | 106.71 |
| 12 | 8 | 312 | KC1 | C3A-C4A-NA | 5.46 | 116.54 | 110.57 |
| 11 | 14 | 303 | CLA | CHD-C4C-C3C | -5.46 | 116.81 | 124.84 |
| 11 | 11 | 309 | CLA | CHD-C4C-C3C | -5.46 | 116.81 | 124.84 |
| 11 | 6 | 302 | CLA | CHD-C4C-C3C | -5.46 | 116.81 | 124.84 |
| 12 | 8 | 306 | KC1 | CMA-C3A-C2A | -5.46 | 114.93 | 128.30 |
| 11 | 13 | 309 | CLA | CHD-C4C-C3C | -5.46 | 116.81 | 124.84 |
| 11 | 14 | 310 | CLA | CHD-C4C-C3C | -5.46 | 116.82 | 124.84 |
| 11 | 12 | 310 | CLA | CHD-C1D-ND | -5.46 | 119.44 | 124.45 |
| 11 | 10 | 304 | CLA | C2C-C1C-NC | 5.46 | 115.08 | 109.97 |
| 11 | 8 | 309 | CLA | CMD-C2D-C1D | 5.46 | 134.33 | 124.71 |
| 12 | 12 | 309 | KC1 | O2D-CGD-CBD | 5.45 | 120.96 | 111.27 |
| 13 | 12 | 317 | DD6 | C21-C20-C19 | -5.45 | 108.14 | 114.28 |
| 11 | 16 | 307 | CLA | CHD-C4C-C3C | -5.45 | 116.83 | 124.84 |
| 13 | 7 | 313 | DD6 | C24-C1-C2 | -5.45 | 110.58 | 118.94 |
| 12 | 8 | 314 | KC1 | C3C-C4C-NC | 5.45 | 115.01 | 109.88 |
| 11 | 12 | 306 | CLA | CMD-C2D-C1D | 5.45 | 134.32 | 124.71 |
| 11 | 7 | 305 | CLA | CHD-C4C-C3C | -5.45 | 116.83 | 124.84 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 14 | 10 | 302 | A86 | C7-C6-C5 | -5.44 | 115.30 | 122.92 |
| 12 | 11 | 304 | KC1 | C3C-C4C-NC | 5.44 | 115.00 | 109.88 |
| 11 | 6 | 301 | CLA | CHD-C4C-C3C | -5.44 | 116.84 | 124.84 |
| 11 | 12 | 302 | CLA | CHD-C1D-ND | -5.44 | 119.45 | 124.45 |
| 11 | 6 | 314 | CLA | C2C-C1C-NC | 5.44 | 115.07 | 109.97 |
| 12 | 8 | 312 | KC1 | C3B-C2B-C1B | -5.44 | 101.88 | 107.08 |
| 12 | 8 | 306 | KC1 | C3C-C4C-NC | 5.44 | 114.99 | 109.88 |
| 11 | 12 | 306 | CLA | CHD-C4C-C3C | -5.43 | 116.85 | 124.84 |
| 11 | 11 | 305 | CLA | CHD-C4C-C3C | -5.43 | 116.86 | 124.84 |
| 14 | 14 | 301 | A86 | C41-C32-C31 | -5.43 | 105.61 | 110.47 |
| 11 | 10 | 305 | CLA | C2C-C1C-NC | 5.43 | 115.06 | 109.97 |
| 11 | 16 | 310 | CLA | C2C-C1C-NC | 5.43 | 115.06 | 109.97 |
| 11 | 8 | 305 | CLA | CHD-C1D-ND | -5.42 | 119.47 | 124.45 |
| 14 | 14 | 301 | A86 | C17-C16-C15 | 5.42 | 114.69 | 109.16 |
| 11 | 16 | 307 | CLA | C2C-C1C-NC | 5.42 | 115.05 | 109.97 |
| 11 | 7 | 311 | CLA | CHD-C4C-C3C | -5.42 | 116.88 | 124.84 |
| 12 | 13 | 308 | KC1 | O2D-CGD-CBD | 5.41 | 120.89 | 111.27 |
| 12 | 6 | 310 | KC1 | C3C-C4C-NC | 5.41 | 114.97 | 109.88 |
| 11 | 12 | 308 | CLA | C2C-C1C-NC | 5.41 | 115.04 | 109.97 |
| 11 | 12 | 310 | CLA | C2C-C1C-NC | 5.41 | 115.04 | 109.97 |
| 11 | 13 | 304 | CLA | O2D-CGD-CBD | 5.40 | 120.87 | 111.27 |
| 12 | 13 | 305 | KC1 | O2D-CGD-CBD | 5.40 | 120.87 | 111.27 |
| 12 | 11 | 310 | KC1 | C3C-C4C-NC | 5.40 | 114.96 | 109.88 |
| 12 | 12 | 311 | KC1 | O2D-CGD-CBD | 5.40 | 120.86 | 111.27 |
| 11 | 14 | 305 | CLA | C2C-C1C-NC | 5.40 | 115.03 | 109.97 |
| 11 | 8 | 305 | CLA | C3D-C2D-C1D | -5.39 | 98.47 | 105.83 |
| 11 | 15 | 307 | CLA | CHD-C1D-ND | -5.39 | 119.50 | 124.45 |
| 12 | 10 | 310 | KC1 | C3C-C4C-NC | 5.39 | 114.95 | 109.88 |
| 11 | 12 | 302 | CLA | C2C-C1C-NC | 5.39 | 115.02 | 109.97 |
| 12 | 13 | 312 | KC1 | CMD-C2D-C1D | 5.39 | 136.75 | 128.46 |
| 11 | 10 | 305 | CLA | CHD-C4C-C3C | -5.39 | 116.92 | 124.84 |
| 12 | 11 | 306 | KC1 | C3C-C4C-NC | 5.38 | 114.94 | 109.88 |
| 11 | 12 | 321 | CLA | C2C-C1C-NC | 5.38 | 115.01 | 109.97 |
| 11 | 6 | 307 | CLA | CHD-C4C-C3C | -5.37 | 116.94 | 124.84 |
| 14 | 14 | 319 | A86 | C17-C16-C15 | 5.37 | 114.64 | 109.16 |
| 11 | 12 | 307 | CLA | CMD-C2D-C1D | 5.36 | 134.16 | 124.71 |
| 13 | 12 | 315 | DD6 | C-C1-C24 | -5.36 | 109.63 | 118.08 |
| 11 | 7 | 304 | CLA | CHD-C4C-C3C | -5.36 | 116.97 | 124.84 |
| 12 | 16 | 304 | KC1 | CMD-C2D-C1D | 5.35 | 136.69 | 128.46 |
| 11 | 6 | 312 | CLA | O2D-CGD-CBD | 5.35 | 120.78 | 111.27 |
| 13 | 7 | 316 | DD6 | C7-C6-C8 | -5.35 | 109.65 | 118.08 |
| 11 | 15 | 308 | CLA | CHD-C4C-C3C | -5.35 | 116.98 | 124.84 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 13 | 303 | CLA | CHD-C4C-C3C | -5.35 | 116.98 | 124.84 |
| 11 | 11 | 309 | CLA | C2C-C1C-NC | 5.35 | 114.98 | 109.97 |
| 13 | 16 | 313 | DD6 | C12-C11-C13 | -5.35 | 109.65 | 118.08 |
| 11 | 15 | 313 | CLA | C2C-C1C-NC | 5.35 | 114.98 | 109.97 |
| 13 | 10 | 313 | DD6 | C4-C5-C6 | -5.35 | 119.68 | 127.31 |
| 11 | 8 | 303 | CLA | CHD-C4C-C3C | -5.34 | 116.99 | 124.84 |
| 14 | 14 | 314 | A86 | C8-C6-C5 | 5.34 | 127.14 | 118.94 |
| 13 | 15 | 319 | DD6 | C-C1-C24 | -5.34 | 109.67 | 118.08 |
| 11 | 15 | 312 | CLA | CHD-C4C-C3C | -5.34 | 116.99 | 124.84 |
| 11 | 12 | 321 | CLA | CHD-C4C-C3C | -5.34 | 117.00 | 124.84 |
| 14 | 14 | 316 | A86 | C25-C26-C27 | -5.34 | 119.70 | 127.31 |
| 11 | 16 | 306 | CLA | C4A-NA-C1A | -5.33 | 104.31 | 106.71 |
| 14 | 10 | 302 | A86 | C36-C31-C32 | -5.33 | 114.40 | 119.70 |
| 12 | 11 | 306 | KC1 | CMD-C2D-C1D | 5.33 | 136.66 | 128.46 |
| 11 | 16 | 302 | CLA | CHD-C1D-ND | -5.33 | 119.56 | 124.45 |
| 11 | 8 | 309 | CLA | CHD-C4C-C3C | -5.32 | 117.01 | 124.84 |
| 12 | 6 | 309 | KC1 | C3B-C2B-C1B | -5.32 | 102.00 | 107.08 |
| 13 | 6 | 315 | DD6 | C8-C6-C5 | -5.31 | 110.79 | 118.94 |
| 11 | 16 | 308 | CLA | CHD-C4C-C3C | -5.31 | 117.03 | 124.84 |
| 13 | 7 | 313 | DD6 | O1-C20-C21 | -5.31 | 108.69 | 115.06 |
| 11 | 6 | 312 | CLA | CHD-C4C-C3C | -5.31 | 117.03 | 124.84 |
| 12 | 11 | 304 | KC1 | CMD-C2D-C1D | 5.31 | 136.62 | 128.46 |
| 13 | 12 | 315 | DD6 | C32-C31-C36 | -5.31 | 115.14 | 122.63 |
| 11 | 15 | 308 | CLA | C2C-C1C-NC | 5.30 | 114.94 | 109.97 |
| 11 | 10 | 305 | CLA | O2D-CGD-CBD | 5.30 | 120.69 | 111.27 |
| 11 | 7 | 310 | CLA | CHD-C1D-ND | -5.30 | 119.58 | 124.45 |
| 11 | 7 | 304 | CLA | C2C-C1C-NC | 5.30 | 114.94 | 109.97 |
| 11 | 7 | 302 | CLA | O2D-CGD-CBD | 5.30 | 120.69 | 111.27 |
| 12 | 12 | 309 | KC1 | CMD-C2D-C1D | 5.30 | 136.61 | 128.46 |
| 11 | 15 | 305 | CLA | CHD-C4C-C3C | -5.30 | 117.05 | 124.84 |
| 11 | 12 | 304 | CLA | O2D-CGD-CBD | 5.30 | 120.69 | 111.27 |
| 11 | 6 | 311 | CLA | C2C-C1C-NC | 5.30 | 114.93 | 109.97 |
| 13 | 8 | 317 | DD6 | O1-C20-C21 | -5.29 | 108.72 | 115.06 |
| 11 | 16 | 307 | CLA | O2D-CGD-CBD | 5.29 | 120.67 | 111.27 |
| 12 | 10 | 312 | KC1 | C3C-C4C-NC | 5.29 | 114.86 | 109.88 |
| 14 | 11 | 314 | A86 | O4-C38-C39 | 5.29 | 120.82 | 111.09 |
| 11 | 12 | 304 | CLA | CHD-C4C-C3C | -5.28 | 117.08 | 124.84 |
| 12 | 13 | 308 | KC1 | C3C-C4C-NC | 5.28 | 114.85 | 109.88 |
| 14 | 14 | 316 | A86 | C4-C5-C6 | -5.28 | 119.78 | 127.31 |
| 12 | 12 | 311 | KC1 | C3C-C4C-NC | 5.28 | 114.84 | 109.88 |
| 12 | 13 | 306 | KC1 | C3B-C2B-C1B | -5.27 | 102.04 | 107.08 |
| 11 | 6 | 301 | CLA | C2C-C1C-NC | 5.27 | 114.91 | 109.97 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 6 | 302 | CLA | C2C-C1C-NC | 5.27 | 114.91 | 109.97 |
| 13 | 15 | 318 | DD6 | C-C1-C24 | -5.27 | 109.78 | 118.08 |
| 11 | 13 | 307 | CLA | CHD-C4C-C3C | -5.27 | 117.10 | 124.84 |
| 12 | 12 | 313 | KC1 | CHD-C4C-C3C | -5.27 | 115.44 | 125.33 |
| 12 | 12 | 309 | KC1 | CBA-CAA-C2A | -5.26 | 105.21 | 125.27 |
| 11 | 6 | 303 | CLA | O2D-CGD-CBD | 5.26 | 120.62 | 111.27 |
| 12 | 13 | 311 | KC1 | CMD-C2D-C1D | 5.26 | 136.55 | 128.46 |
| 12 | 7 | 307 | KC1 | C3B-C2B-C1B | -5.26 | 102.06 | 107.08 |
| 13 | 7 | 316 | DD6 | C21-C20-C15 | -5.25 | 113.45 | 122.26 |
| 11 | 15 | 308 | CLA | CHD-C1D-ND | -5.25 | 119.63 | 124.45 |
| 11 | 12 | 303 | CLA | CHD-C1D-ND | -5.24 | 119.64 | 124.45 |
| 11 | 7 | 310 | CLA | CHD-C4C-C3C | -5.24 | 117.14 | 124.84 |
| 11 | 13 | 303 | CLA | C2C-C1C-NC | 5.24 | 114.88 | 109.97 |
| 11 | 11 | 308 | CLA | CHD-C4C-C3C | -5.24 | 117.14 | 124.84 |
| 14 | 15 | 321 | A86 | O4-C38-C39 | 5.23 | 120.72 | 111.09 |
| 12 | 10 | 306 | KC1 | C3C-C4C-NC | 5.23 | 114.80 | 109.88 |
| 11 | 8 | 303 | CLA | CMD-C2D-C1D | 5.23 | 133.93 | 124.71 |
| 12 | 13 | 310 | KC1 | CHD-C4C-C3C | -5.23 | 115.52 | 125.33 |
| 11 | 16 | 306 | CLA | CHD-C4C-C3C | -5.22 | 117.17 | 124.84 |
| 12 | 10 | 312 | KC1 | C1A-NA-C4A | -5.22 | 104.36 | 106.71 |
| 14 | 14 | 321 | A86 | O4-C38-C39 | 5.22 | 120.69 | 111.09 |
| 13 | 6 | 315 | DD6 | C13-C11-C10 | -5.21 | 110.94 | 118.94 |
| 11 | 16 | 302 | CLA | C2C-C1C-NC | 5.21 | 114.85 | 109.97 |
| 13 | 6 | 318 | DD6 | C7-C6-C8 | -5.21 | 109.87 | 118.08 |
| 11 | 16 | 306 | CLA | C2C-C1C-NC | 5.21 | 114.85 | 109.97 |
| 11 | 12 | 310 | CLA | O2D-CGD-CBD | 5.21 | 120.52 | 111.27 |
| 12 | 13 | 306 | KC1 | O2D-CGD-CBD | 5.20 | 120.52 | 111.27 |
| 11 | 14 | 312 | CLA | C2C-C1C-NC | 5.20 | 114.85 | 109.97 |
| 12 | 8 | 313 | KC1 | CHD-C4C-C3C | -5.20 | 115.56 | 125.33 |
| 12 | 6 | 305 | KC1 | CHD-C4C-C3C | -5.20 | 115.56 | 125.33 |
| 11 | 15 | 310 | CLA | O2D-CGD-CBD | 5.20 | 120.51 | 111.27 |
| 11 | 16 | 305 | CLA | CHD-C1D-ND | -5.20 | 119.67 | 124.45 |
| 12 | 8 | 312 | KC1 | CMD-C2D-C1D | 5.19 | 136.45 | 128.46 |
| 11 | 6 | 311 | CLA | O2D-CGD-CBD | 5.19 | 120.50 | 111.27 |
| 13 | 12 | 317 | DD6 | C7-C6-C8 | -5.19 | 109.90 | 118.08 |
| 14 | 8 | 315 | A86 | C12-C11-C13 | 5.19 | 124.74 | 116.02 |
| 12 | 8 | 314 | KC1 | CMD-C2D-C1D | 5.19 | 136.44 | 128.46 |
| 13 | 10 | 314 | DD6 | C7-C6-C8 | -5.18 | 109.91 | 118.08 |
| 11 | 12 | 306 | CLA | CHD-C1D-ND | -5.18 | 119.69 | 124.45 |
| 12 | 16 | 304 | KC1 | O2D-CGD-CBD | 5.18 | 120.48 | 111.27 |
| 11 | 10 | 309 | CLA | C2C-C1C-NC | 5.18 | 114.83 | 109.97 |
| 12 | 7 | 312 | KC1 | CMD-C2D-C1D | 5.18 | 136.43 | 128.46 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 14 | 311 | KC1 | CHD-C4C-C3C | -5.18 | 115.61 | 125.33 |
| 11 | 13 | 307 | CLA | CHD-C1D-ND | -5.18 | 119.70 | 124.45 |
| 11 | 14 | 309 | CLA | CHD-C4C-C3C | -5.18 | 117.23 | 124.84 |
| 13 | 12 | 317 | DD6 | C-C1-C24 | -5.18 | 109.92 | 118.08 |
| 14 | 15 | 320 | A86 | C3-C4-C5 | -5.17 | 112.88 | 123.47 |
| 12 | 6 | 309 | KC1 | CHD-C4C-C3C | -5.17 | 115.62 | 125.33 |
| 14 | 13 | 315 | A86 | O4-C38-C39 | 5.17 | 120.60 | 111.09 |
| 12 | 14 | 311 | KC1 | CMD-C2D-C1D | 5.17 | 136.40 | 128.46 |
| 13 | 10 | 313 | DD6 | C21-C20-C19 | -5.16 | 108.47 | 114.28 |
| 12 | 16 | 304 | KC1 | C3C-C4C-NC | 5.16 | 114.74 | 109.88 |
| 11 | 8 | 303 | CLA | CHD-C1D-ND | -5.16 | 119.71 | 124.45 |
| 11 | 15 | 303 | CLA | C4A-NA-C1A | -5.16 | 104.39 | 106.71 |
| 14 | 11 | 301 | A86 | O4-C38-C39 | 5.16 | 120.58 | 111.09 |
| 11 | 8 | 308 | CLA | C2C-C1C-NC | 5.16 | 114.80 | 109.97 |
| 11 | 14 | 307 | CLA | C4A-NA-C1A | -5.16 | 104.39 | 106.71 |
| 14 | 8 | 318 | A86 | C17-C16-C15 | 5.15 | 114.42 | 109.16 |
| 11 | 8 | 309 | CLA | CHD-C1D-ND | -5.15 | 119.72 | 124.45 |
| 14 | 13 | 313 | A86 | C8-C6-C5 | 5.15 | 126.85 | 118.94 |
| 11 | 12 | 321 | CLA | C4A-NA-C1A | -5.15 | 104.39 | 106.71 |
| 13 | 6 | 316 | DD6 | C12-C11-C13 | -5.15 | 109.97 | 118.08 |
| 11 | 6 | 313 | CLA | CHD-C4C-C3C | -5.15 | 117.28 | 124.84 |
| 11 | 12 | 308 | CLA | CHD-C1D-ND | -5.15 | 119.72 | 124.45 |
| 11 | 16 | 305 | CLA | O2D-CGD-CBD | 5.14 | 120.40 | 111.27 |
| 11 | 12 | 304 | CLA | C2C-C1C-NC | 5.13 | 114.78 | 109.97 |
| 11 | 8 | 305 | CLA | O2D-CGD-CBD | 5.13 | 120.39 | 111.27 |
| 11 | 16 | 308 | CLA | C4A-NA-C1A | -5.13 | 104.40 | 106.71 |
| 12 | 14 | 306 | KC1 | C1A-NA-C4A | -5.13 | 104.40 | 106.71 |
| 11 | 16 | 301 | CLA | C2C-C1C-NC | 5.13 | 114.78 | 109.97 |
| 12 | 10 | 312 | KC1 | CMD-C2D-C1D | 5.13 | 136.34 | 128.46 |
| 11 | 10 | 311 | CLA | C2C-C1C-NC | 5.13 | 114.78 | 109.97 |
| 12 | 13 | 306 | KC1 | CHD-C4C-C3C | -5.13 | 115.70 | 125.33 |
| 12 | 13 | 312 | KC1 | C3C-C4C-NC | 5.13 | 114.70 | 109.88 |
| 14 | 10 | 317 | A86 | O4-C38-C39 | 5.13 | 120.52 | 111.09 |
| 14 | 16 | 314 | A86 | C17-C16-C15 | 5.12 | 114.38 | 109.16 |
| 14 | 13 | 313 | A86 | C17-C16-C15 | 5.12 | 114.38 | 109.16 |
| 11 | 6 | 304 | CLA | C2C-C1C-NC | 5.11 | 114.76 | 109.97 |
| 11 | 12 | 307 | CLA | CHD-C1D-ND | -5.11 | 119.76 | 124.45 |
| 12 | 8 | 313 | KC1 | CMD-C2D-C1D | 5.10 | 136.31 | 128.46 |
| 11 | 16 | 302 | CLA | C4A-NA-C1A | -5.10 | 104.41 | 106.71 |
| 12 | 12 | 305 | KC1 | O2D-CGD-CBD | 5.10 | 120.33 | 111.27 |
| 12 | 8 | 310 | KC1 | CHD-C4C-C3C | -5.10 | 115.76 | 125.33 |
| 12 | 6 | 308 | KC1 | O2D-CGD-CBD | 5.10 | 120.33 | 111.27 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 12 | 309 | KC1 | C3C-C4C-NC | 5.09 | 114.67 | 109.88 |
| 12 | 10 | 310 | KC1 | C3B-C2B-C1B | -5.09 | 102.22 | 107.08 |
| 11 | 7 | 309 | CLA | C2C-C1C-NC | 5.08 | 114.73 | 109.97 |
| 12 | 8 | 307 | KC1 | CMD-C2D-C1D | 5.08 | 136.27 | 128.46 |
| 12 | 13 | 306 | KC1 | C1A-NA-C4A | -5.08 | 104.42 | 106.71 |
| 12 | 8 | 310 | KC1 | O2D-CGD-CBD | 5.08 | 120.29 | 111.27 |
| 12 | 7 | 312 | KC1 | C3C-C4C-NC | 5.07 | 114.65 | 109.88 |
| 11 | 14 | 303 | CLA | C2C-C1C-NC | 5.07 | 114.72 | 109.97 |
| 12 | 13 | 310 | KC1 | O2D-CGD-CBD | 5.07 | 120.28 | 111.27 |
| 14 | 11 | 314 | A86 | C41-C32-C31 | -5.07 | 105.93 | 110.47 |
| 13 | 6 | 316 | DD6 | C24-C1-C2 | -5.07 | 111.16 | 118.94 |
| 12 | 8 | 307 | KC1 | C3C-C4C-NC | 5.06 | 114.64 | 109.88 |
| 14 | 16 | 312 | A86 | C36-C31-C32 | -5.06 | 114.67 | 119.70 |
| 13 | 6 | 315 | DD6 | C24-C1-C2 | -5.06 | 111.17 | 118.94 |
| 12 | 11 | 310 | KC1 | O2D-CGD-CBD | 5.06 | 120.26 | 111.27 |
| 11 | 6 | 306 | CLA | C2C-C1C-NC | 5.06 | 114.71 | 109.97 |
| 11 | 8 | 302 | CLA | C2C-C1C-NC | 5.06 | 114.71 | 109.97 |
| 12 | 12 | 305 | KC1 | CMD-C2D-C1D | 5.06 | 136.24 | 128.46 |
| 13 | 6 | 315 | DD6 | C21-C20-C15 | -5.05 | 113.80 | 122.26 |
| 12 | 8 | 306 | KC1 | C3B-C2B-C1B | -5.05 | 102.25 | 107.08 |
| 12 | 13 | 311 | KC1 | C3C-C4C-NC | 5.05 | 114.63 | 109.88 |
| 11 | 6 | 301 | CLA | C4A-NA-C1A | -5.05 | 104.44 | 106.71 |
| 11 | 8 | 301 | CLA | CHD-C1D-ND | -5.03 | 119.83 | 124.45 |
| 12 | 13 | 312 | KC1 | O2D-CGD-CBD | 5.03 | 120.20 | 111.27 |
| 11 | 6 | 302 | CLA | C4A-NA-C1A | -5.03 | 104.45 | 106.71 |
| 11 | 15 | 309 | CLA | C2C-C1C-NC | 5.03 | 114.68 | 109.97 |
| 14 | 11 | 315 | A86 | C17-C16-C15 | 5.03 | 114.29 | 109.16 |
| 14 | 14 | 317 | A86 | O4-C38-C39 | 5.02 | 120.33 | 111.09 |
| 11 | 8 | 302 | CLA | C3D-C2D-C1D | -5.02 | 98.97 | 105.83 |
| 12 | 12 | 311 | KC1 | CMD-C2D-C1D | 5.02 | 136.18 | 128.46 |
| 11 | 10 | 307 | CLA | C2C-C1C-NC | 5.02 | 114.68 | 109.97 |
| 11 | 14 | 307 | CLA | CAC-C3C-C4C | 5.02 | 131.32 | 124.81 |
| 11 | 13 | 301 | CLA | C2C-C1C-NC | 5.01 | 114.67 | 109.97 |
| 12 | 13 | 311 | KC1 | C4B-C3B-C2B | -5.01 | 102.64 | 106.75 |
| 11 | 15 | 313 | CLA | C4A-NA-C1A | -5.00 | 104.46 | 106.71 |
| 12 | 11 | 306 | KC1 | O2D-CGD-CBD | 4.99 | 120.14 | 111.27 |
| 12 | 10 | 312 | KC1 | O2D-CGD-CBD | 4.99 | 120.13 | 111.27 |
| 13 | 10 | 314 | DD6 | C21-C20-C15 | -4.98 | 113.91 | 122.26 |
| 12 | 13 | 306 | KC1 | CMD-C2D-C1D | 4.98 | 136.12 | 128.46 |
| 13 | 11 | 312 | DD6 | C7-C6-C8 | -4.98 | 110.23 | 118.08 |
| 13 | 16 | 313 | DD6 | C21-C20-C19 | -4.97 | 108.69 | 114.28 |
| 14 | 14 | 318 | A86 | C41-C32-C31 | -4.97 | 106.02 | 110.47 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 14 | 16 | 314 | A86 | O4-C38-C39 | 4.97 | 120.24 | 111.09 |
| 11 | 6 | 311 | CLA | C4A-NA-C1A | -4.97 | 104.47 | 106.71 |
| 11 | 14 | 313 | CLA | C2C-C1C-NC | 4.97 | 114.63 | 109.97 |
| 11 | 16 | 306 | CLA | O2D-CGD-CBD | 4.97 | 120.09 | 111.27 |
| 14 | 10 | 301 | A86 | O4-C38-C39 | 4.96 | 120.21 | 111.09 |
| 12 | 11 | 310 | KC1 | CMD-C2D-C1D | 4.96 | 136.08 | 128.46 |
| 11 | 16 | 301 | CLA | C3D-C2D-C1D | -4.95 | 99.07 | 105.83 |
| 11 | 11 | 309 | CLA | O2D-CGD-CBD | 4.95 | 120.07 | 111.27 |
| 14 | 15 | 316 | A86 | C41-C32-C31 | -4.95 | 106.05 | 110.47 |
| 14 | 15 | 320 | A86 | O4-C38-C39 | 4.94 | 120.19 | 111.09 |
| 14 | 10 | 315 | A86 | O4-C38-C39 | 4.94 | 120.18 | 111.09 |
| 12 | 6 | 308 | KC1 | C2C-C1C-NC | 4.94 | 115.96 | 110.57 |
| 11 | 10 | 307 | CLA | C3D-C2D-C1D | -4.94 | 99.09 | 105.83 |
| 11 | 7 | 306 | CLA | C3D-C2D-C1D | -4.94 | 99.09 | 105.83 |
| 11 | 16 | 308 | CLA | O2D-CGD-CBD | 4.93 | 120.03 | 111.27 |
| 12 | 16 | 311 | KC1 | C1A-C2A-C3A | -4.93 | 103.20 | 107.11 |
| 11 | 16 | 303 | CLA | C3D-C2D-C1D | -4.93 | 99.11 | 105.83 |
| 14 | 14 | 315 | A86 | O4-C38-C39 | 4.92 | 120.15 | 111.09 |
| 14 | 7 | 318 | A86 | O4-C38-C39 | 4.92 | 120.15 | 111.09 |
| 12 | 16 | 311 | KC1 | O2D-CGD-CBD | 4.92 | 120.01 | 111.27 |
| 11 | 7 | 305 | CLA | CHD-C1D-ND | -4.92 | 119.94 | 124.45 |
| 11 | 6 | 303 | CLA | C2C-C1C-NC | 4.91 | 114.58 | 109.97 |
| 14 | 15 | 315 | A86 | O4-C38-C39 | 4.91 | 120.12 | 111.09 |
| 14 | 15 | 316 | A86 | O4-C38-C39 | 4.91 | 120.11 | 111.09 |
| 11 | 11 | 307 | CLA | C2C-C1C-NC | 4.90 | 114.57 | 109.97 |
| 14 | 14 | 314 | A86 | O4-C38-C39 | 4.90 | 120.11 | 111.09 |
| 13 | 8 | 317 | DD6 | C32-C31-C36 | -4.90 | 115.71 | 122.63 |
| 11 | 7 | 305 | CLA | O2D-CGD-CBD | 4.89 | 119.96 | 111.27 |
| 13 | 16 | 313 | DD6 | C7-C6-C8 | -4.89 | 110.37 | 118.08 |
| 12 | 13 | 308 | KC1 | C1A-NA-C4A | -4.89 | 104.51 | 106.71 |
| 12 | 8 | 306 | KC1 | CMD-C2D-C1D | 4.89 | 135.97 | 128.46 |
| 14 | 8 | 315 | A86 | C10-C9-C8 | -4.88 | 107.98 | 123.22 |
| 11 | 7 | 308 | CLA | C3D-C2D-C1D | -4.88 | 99.17 | 105.83 |
| 14 | 15 | 315 | A86 | C4-C3-C2 | 4.88 | 133.48 | 123.47 |
| 11 | 16 | 306 | CLA | CHD-C1D-ND | -4.88 | 119.97 | 124.45 |
| 11 | 12 | 307 | CLA | O2D-CGD-CBD | 4.88 | 119.94 | 111.27 |
| 11 | 8 | 305 | CLA | C2C-C1C-NC | 4.88 | 114.54 | 109.97 |
| 11 | 7 | 302 | CLA | CHD-C1D-ND | -4.87 | 119.98 | 124.45 |
| 11 | 8 | 308 | CLA | O2D-CGD-CBD | 4.87 | 119.93 | 111.27 |
| 11 | 7 | 303 | CLA | C3D-C2D-C1D | -4.87 | 99.18 | 105.83 |
| 13 | 7 | 313 | DD6 | C-C1-C24 | -4.87 | 110.41 | 118.08 |
| 11 | 14 | 303 | CLA | O2D-CGD-CBD | 4.86 | 119.91 | 111.27 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 14 | 15 | 322 | A86 | C36-C31-C32 | -4.86 | 114.87 | 119.70 |
| 12 | 6 | 309 | KC1 | CMD-C2D-C1D | 4.86 | 135.94 | 128.46 |
| 12 | 10 | 310 | KC1 | C4B-C3B-C2B | -4.86 | 102.76 | 106.75 |
| 14 | 14 | 301 | A86 | C3-C2-C1 | -4.85 | 120.39 | 127.31 |
| 11 | 15 | 304 | CLA | C4A-NA-C1A | -4.85 | 104.53 | 106.71 |
| 14 | 10 | 301 | A86 | C24-C1-C2 | -4.85 | 111.50 | 118.94 |
| 11 | 15 | 314 | CLA | C3D-C2D-C1D | -4.85 | 99.21 | 105.83 |
| 12 | 11 | 310 | KC1 | C1A-NA-C4A | -4.85 | 104.53 | 106.71 |
| 14 | 11 | 315 | A86 | C3-C2-C1 | -4.85 | 120.39 | 127.31 |
| 14 | 15 | 322 | A86 | O4-C38-C39 | 4.84 | 120.00 | 111.09 |
| 11 | 8 | 301 | CLA | CMD-C2D-C1D | 4.84 | 133.25 | 124.71 |
| 11 | 6 | 304 | CLA | O2D-CGD-CBD | 4.84 | 119.87 | 111.27 |
| 13 | 11 | 312 | DD6 | C21-C20-C19 | -4.83 | 108.85 | 114.28 |
| 11 | 10 | 305 | CLA | CAA-C2A-C3A | -4.83 | 99.55 | 112.78 |
| 11 | 14 | 309 | CLA | O2D-CGD-CBD | 4.83 | 119.85 | 111.27 |
| 11 | 14 | 310 | CLA | O2D-CGD-CBD | 4.83 | 119.84 | 111.27 |
| 14 | 11 | 315 | A86 | C4-C5-C6 | -4.82 | 120.42 | 127.31 |
| 11 | 10 | 303 | CLA | C3D-C2D-C1D | -4.82 | 99.25 | 105.83 |
| 12 | 12 | 305 | KC1 | CHD-C4C-C3C | -4.82 | 116.28 | 125.33 |
| 11 | 7 | 303 | CLA | C4A-NA-C1A | -4.82 | 104.54 | 106.71 |
| 14 | 7 | 315 | A86 | C3-C2-C1 | -4.82 | 120.43 | 127.31 |
| 13 | 15 | 318 | DD6 | C7-C6-C8 | -4.82 | 110.48 | 118.08 |
| 11 | 11 | 308 | CLA | C2C-C1C-NC | 4.81 | 114.48 | 109.97 |
| 11 | 11 | 307 | CLA | O2D-CGD-CBD | 4.81 | 119.82 | 111.27 |
| 12 | 16 | 304 | KC1 | CMA-C3A-C2A | -4.81 | 116.52 | 128.30 |
| 14 | 12 | 316 | A86 | C17-C16-C15 | 4.81 | 114.07 | 109.16 |
| 12 | 11 | 311 | KC1 | O2D-CGD-CBD | 4.81 | 119.81 | 111.27 |
| 11 | 14 | 304 | CLA | O2D-CGD-CBD | 4.81 | 119.81 | 111.27 |
| 11 | 7 | 306 | CLA | O2D-CGD-CBD | 4.81 | 119.81 | 111.27 |
| 11 | 14 | 312 | CLA | C4A-NA-C1A | -4.80 | 104.55 | 106.71 |
| 12 | 13 | 308 | KC1 | CMD-C2D-C1D | 4.80 | 135.84 | 128.46 |
| 12 | 7 | 307 | KC1 | CHD-C4C-C3C | -4.80 | 116.31 | 125.33 |
| 12 | 10 | 312 | KC1 | CHD-C4C-C3C | -4.80 | 116.32 | 125.33 |
| 11 | 15 | 302 | CLA | C3D-C2D-C1D | -4.79 | 99.29 | 105.83 |
| 12 | 12 | 309 | KC1 | CMA-C3A-C2A | -4.79 | 116.56 | 128.30 |
| 12 | 14 | 306 | KC1 | C3B-C2B-C1B | -4.79 | 102.50 | 107.08 |
| 11 | 12 | 303 | CLA | C4A-NA-C1A | -4.79 | 104.55 | 106.71 |
| 11 | 15 | 306 | CLA | C4A-NA-C1A | -4.79 | 104.55 | 106.71 |
| 14 | 14 | 317 | A86 | C17-C16-C15 | 4.79 | 114.05 | 109.16 |
| 14 | 15 | 317 | A86 | O4-C38-C39 | 4.79 | 119.90 | 111.09 |
| 12 | 8 | 311 | KC1 | O2D-CGD-CBD | 4.77 | 119.75 | 111.27 |
| 12 | 8 | 307 | KC1 | CHD-C4C-C3C | -4.77 | 116.37 | 125.33 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 11 | 311 | KC1 | CHC-C1C-C2C | -4.77 | 117.53 | 124.98 |
| 14 | 14 | 316 | A86 | C3-C2-C1 | -4.77 | 120.51 | 127.31 |
| 11 | 11 | 303 | CLA | O2D-CGD-CBD | 4.76 | 119.73 | 111.27 |
| 11 | 6 | 306 | CLA | C4A-NA-C1A | -4.76 | 104.56 | 106.71 |
| 14 | 11 | 313 | A86 | O4-C38-C39 | 4.76 | 119.85 | 111.09 |
| 12 | 8 | 313 | KC1 | C1A-NA-C4A | -4.76 | 104.57 | 106.71 |
| 11 | 10 | 305 | CLA | C4A-NA-C1A | -4.76 | 104.57 | 106.71 |
| 14 | 10 | 316 | A86 | O4-C38-C39 | 4.76 | 119.84 | 111.09 |
| 12 | 6 | 310 | KC1 | CMD-C2D-C1D | 4.76 | 135.77 | 128.46 |
| 14 | 14 | 318 | A86 | C17-C16-C15 | 4.76 | 114.01 | 109.16 |
| 12 | 16 | 304 | KC1 | CHC-C1C-C2C | -4.75 | 117.55 | 124.98 |
| 12 | 11 | 310 | KC1 | CHD-C4C-C3C | -4.75 | 116.42 | 125.33 |
| 11 | 8 | 304 | CLA | C2C-C1C-NC | 4.75 | 114.42 | 109.97 |
| 14 | 16 | 314 | A86 | C3-C2-C1 | -4.75 | 120.53 | 127.31 |
| 12 | 13 | 311 | KC1 | CHC-C1C-C2C | -4.75 | 117.57 | 124.98 |
| 13 | 6 | 318 | DD6 | C-C1-C24 | -4.74 | 110.60 | 118.08 |
| 12 | 6 | 310 | KC1 | CHD-C4C-C3C | -4.74 | 116.43 | 125.33 |
| 11 | 12 | 302 | CLA | C3D-C2D-C1D | -4.74 | 99.36 | 105.83 |
| 12 | 13 | 311 | KC1 | O2D-CGD-CBD | 4.74 | 119.69 | 111.27 |
| 14 | 6 | 317 | A86 | O4-C38-C39 | 4.73 | 119.80 | 111.09 |
| 12 | 13 | 306 | KC1 | C2A-C1A-NA | 4.73 | 116.99 | 109.40 |
| 11 | 7 | 310 | CLA | O2D-CGD-CBD | 4.73 | 119.67 | 111.27 |
| 14 | 15 | 320 | A86 | C33-C32-C31 | 4.73 | 113.80 | 109.21 |
| 14 | 8 | 318 | A86 | O4-C38-C39 | 4.73 | 119.78 | 111.09 |
| 11 | 12 | 312 | CLA | C3D-C2D-C1D | -4.72 | 99.38 | 105.83 |
| 11 | 16 | 307 | CLA | C4A-NA-C1A | -4.72 | 104.58 | 106.71 |
| 11 | 13 | 301 | CLA | C3D-C2D-C1D | -4.72 | 99.39 | 105.83 |
| 12 | 14 | 308 | KC1 | C2C-C1C-NC | 4.72 | 115.72 | 110.57 |
| 14 | 16 | 312 | A86 | C9-C10-C11 | -4.72 | 112.74 | 126.61 |
| 14 | 13 | 313 | A86 | C41-C32-C31 | -4.72 | 106.25 | 110.47 |
| 12 | 8 | 310 | KC1 | CMD-C2D-C1D | 4.72 | 135.71 | 128.46 |
| 12 | 6 | 308 | KC1 | CHC-C1C-C2C | -4.72 | 117.61 | 124.98 |
| 12 | 13 | 308 | KC1 | CHD-C4C-C3C | -4.71 | 116.48 | 125.33 |
| 11 | 14 | 307 | CLA | C3D-C2D-C1D | -4.71 | 99.40 | 105.83 |
| 12 | 12 | 309 | KC1 | CHD-C4C-C3C | -4.71 | 116.48 | 125.33 |
| 11 | 15 | 302 | CLA | C3D-C4D-ND | 4.71 | 117.86 | 110.24 |
| 11 | 15 | 311 | CLA | O2D-CGD-CBD | 4.71 | 119.64 | 111.27 |
| 11 | 13 | 302 | CLA | C4A-NA-C1A | -4.71 | 104.59 | 106.71 |
| 12 | 6 | 308 | KC1 | CHD-C4C-C3C | -4.71 | 116.49 | 125.33 |
| 12 | 11 | 304 | KC1 | CHD-C4C-C3C | -4.71 | 116.49 | 125.33 |
| 12 | 11 | 304 | KC1 | C1A-NA-C4A | -4.71 | 104.59 | 106.71 |
| 14 | 14 | 316 | A86 | C41-C32-C31 | -4.70 | 106.27 | 110.47 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 10 | 311 | CLA | O2D-CGD-CBD | 4.70 | 119.62 | 111.27 |
| 11 | 6 | 303 | CLA | C3D-C2D-C1D | -4.70 | 99.42 | 105.83 |
| 14 | 16 | 312 | A86 | O4-C38-C39 | 4.70 | 119.73 | 111.09 |
| 14 | 14 | 318 | A86 | O4-C38-C39 | 4.70 | 119.73 | 111.09 |
| 11 | 15 | 311 | CLA | C3D-C2D-C1D | -4.69 | 99.43 | 105.83 |
| 11 | 15 | 310 | CLA | C3D-C2D-C1D | -4.69 | 99.43 | 105.83 |
| 11 | 15 | 304 | CLA | C3D-C2D-C1D | -4.69 | 99.43 | 105.83 |
| 12 | 7 | 312 | KC1 | CHD-C4C-C3C | -4.69 | 116.53 | 125.33 |
| 12 | 11 | 311 | KC1 | C2C-C1C-NC | 4.68 | 115.68 | 110.57 |
| 13 | 10 | 314 | DD6 | C21-C20-C19 | -4.68 | 109.02 | 114.28 |
| 11 | 16 | 303 | CLA | C2C-C1C-NC | 4.68 | 114.36 | 109.97 |
| 12 | 13 | 305 | KC1 | CHD-C4C-C3C | -4.68 | 116.55 | 125.33 |
| 12 | 11 | 306 | KC1 | CHD-C4C-C3C | -4.68 | 116.55 | 125.33 |
| 11 | 8 | 301 | CLA | O2D-CGD-CBD | 4.68 | 119.58 | 111.27 |
| 11 | 15 | 313 | CLA | C3D-C2D-C1D | -4.67 | 99.45 | 105.83 |
| 12 | 13 | 305 | KC1 | CMD-C2D-C1D | 4.67 | 135.64 | 128.46 |
| 11 | 8 | 308 | CLA | C4A-NA-C1A | -4.67 | 104.61 | 106.71 |
| 12 | 16 | 311 | KC1 | CMA-C3A-C2A | -4.67 | 116.87 | 128.30 |
| 12 | 12 | 309 | KC1 | C1A-C2A-C3A | -4.67 | 103.41 | 107.11 |
| 11 | 8 | 301 | CLA | C3D-C2D-C1D | -4.67 | 99.46 | 105.83 |
| 12 | 16 | 311 | KC1 | CHD-C4C-C3C | -4.66 | 116.58 | 125.33 |
| 12 | 11 | 311 | KC1 | CHD-C4C-C3C | -4.66 | 116.58 | 125.33 |
| 11 | 10 | 304 | CLA | C4A-NA-C1A | -4.66 | 104.61 | 106.71 |
| 11 | 10 | 308 | CLA | C3D-C2D-C1D | -4.66 | 99.47 | 105.83 |
| 13 | 10 | 314 | DD6 | C15-C14-C13 | -4.66 | 116.15 | 125.99 |
| 12 | 8 | 312 | KC1 | CHD-C4C-C3C | -4.66 | 116.59 | 125.33 |
| 11 | 10 | 311 | CLA | C3D-C2D-C1D | -4.66 | 99.48 | 105.83 |
| 11 | 11 | 308 | CLA | C4A-NA-C1A | -4.65 | 104.61 | 106.71 |
| 11 | 15 | 308 | CLA | C3C-C4C-NC | 4.65 | 115.79 | 110.57 |
| 11 | 15 | 309 | CLA | C3D-C2D-C1D | -4.65 | 99.49 | 105.83 |
| 11 | 11 | 305 | CLA | C2C-C1C-NC | 4.64 | 114.32 | 109.97 |
| 12 | 10 | 310 | KC1 | O2D-CGD-CBD | 4.64 | 119.52 | 111.27 |
| 14 | 10 | 316 | A86 | C4-C3-C2 | -4.64 | 113.97 | 123.47 |
| 12 | 13 | 310 | KC1 | CMD-C2D-C1D | 4.64 | 135.60 | 128.46 |
| 14 | 14 | 316 | A86 | O4-C38-C39 | 4.64 | 119.63 | 111.09 |
| 11 | 7 | 302 | CLA | CMD-C2D-C1D | 4.64 | 132.89 | 124.71 |
| 11 | 15 | 313 | CLA | O2D-CGD-CBD | 4.64 | 119.51 | 111.27 |
| 11 | 10 | 309 | CLA | C3D-C2D-C1D | -4.64 | 99.50 | 105.83 |
| 11 | 10 | 304 | CLA | C3D-C2D-C1D | -4.64 | 99.50 | 105.83 |
| 13 | 7 | 301 | DD6 | C7-C6-C8 | -4.64 | 110.77 | 118.08 |
| 13 | 7 | 313 | DD6 | C35-C36-C31 | -4.63 | 110.05 | 120.57 |
| 14 | 15 | 322 | A86 | C33-C32-C31 | 4.63 | 113.71 | 109.21 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 13 | 6 | 316 | DD6 | C21-C20-C15 | -4.63 | 114.50 | 122.26 |
| 14 | 12 | 316 | A86 | O4-C38-C39 | 4.63 | 119.61 | 111.09 |
| 13 | 8 | 316 | DD6 | O1-C20-C21 | -4.63 | 109.51 | 115.06 |
| 11 | 13 | 302 | CLA | C3D-C2D-C1D | -4.63 | 99.52 | 105.83 |
| 14 | 12 | 314 | A86 | O4-C38-C39 | 4.63 | 119.60 | 111.09 |
| 14 | 14 | 315 | A86 | C17-C16-C15 | 4.62 | 113.88 | 109.16 |
| 11 | 16 | 302 | CLA | C3D-C2D-C1D | -4.62 | 99.52 | 105.83 |
| 11 | 16 | 308 | CLA | C3D-C2D-C1D | -4.62 | 99.52 | 105.83 |
| 11 | 6 | 301 | CLA | C3D-C2D-C1D | -4.62 | 99.52 | 105.83 |
| 11 | 16 | 303 | CLA | C4A-NA-C1A | -4.62 | 104.63 | 106.71 |
| 13 | 7 | 301 | DD6 | C-C1-C24 | -4.62 | 110.80 | 118.08 |
| 12 | 14 | 308 | KC1 | CHD-C4C-C3C | -4.62 | 116.66 | 125.33 |
| 11 | 14 | 312 | CLA | C3D-C2D-C1D | -4.62 | 99.53 | 105.83 |
| 12 | 8 | 310 | KC1 | CHC-C1C-C2C | -4.61 | 117.77 | 124.98 |
| 11 | 15 | 302 | CLA | C2C-C1C-NC | 4.61 | 114.29 | 109.97 |
| 14 | 10 | 301 | A86 | C12-C11-C13 | 4.61 | 123.77 | 116.02 |
| 11 | 12 | 303 | CLA | C3D-C2D-C1D | -4.61 | 99.54 | 105.83 |
| 11 | 12 | 304 | CLA | C3D-C2D-C1D | -4.61 | 99.54 | 105.83 |
| 13 | 7 | 301 | DD6 | C21-C20-C19 | -4.61 | 109.09 | 114.28 |
| 12 | 8 | 306 | KC1 | CHD-C4C-C3C | -4.61 | 116.67 | 125.33 |
| 12 | 10 | 310 | KC1 | C2C-C1C-NC | 4.61 | 115.61 | 110.57 |
| 12 | 6 | 308 | KC1 | C2A-C1A-NA | 4.61 | 116.79 | 109.40 |
| 11 | 15 | 303 | CLA | C3D-C2D-C1D | -4.61 | 99.54 | 105.83 |
| 14 | 7 | 315 | A86 | O4-C38-C39 | 4.61 | 119.56 | 111.09 |
| 12 | 13 | 311 | KC1 | C2C-C1C-NC | 4.60 | 115.60 | 110.57 |
| 12 | 13 | 305 | KC1 | CHC-C1C-C2C | -4.60 | 117.79 | 124.98 |
| 13 | 7 | 316 | DD6 | C15-C14-C13 | 4.60 | 135.72 | 125.99 |
| 11 | 6 | 301 | CLA | O2D-CGD-CBD | 4.60 | 119.44 | 111.27 |
| 11 | 14 | 307 | CLA | C3D-C4D-ND | 4.60 | 117.68 | 110.24 |
| 11 | 14 | 304 | CLA | C3D-C2D-C1D | -4.60 | 99.55 | 105.83 |
| 11 | 12 | 304 | CLA | C4A-NA-C1A | -4.60 | 104.64 | 106.71 |
| 12 | 6 | 308 | KC1 | CMD-C2D-C1D | 4.60 | 135.53 | 128.46 |
| 12 | 12 | 311 | KC1 | CHC-C1C-C2C | -4.60 | 117.80 | 124.98 |
| 11 | 7 | 311 | CLA | C3D-C2D-C1D | -4.59 | 99.56 | 105.83 |
| 14 | 14 | 301 | A86 | C40-C32-C31 | -4.59 | 106.36 | 110.47 |
| 11 | 13 | 304 | CLA | C3D-C2D-C1D | -4.59 | 99.56 | 105.83 |
| 11 | 13 | 303 | CLA | C4A-NA-C1A | -4.59 | 104.64 | 106.71 |
| 12 | 13 | 312 | KC1 | CHD-C4C-C3C | -4.59 | 116.71 | 125.33 |
| 11 | 16 | 310 | CLA | C3D-C2D-C1D | -4.59 | 99.57 | 105.83 |
| 11 | 15 | 314 | CLA | O2D-CGD-CBD | 4.59 | 119.42 | 111.27 |
| 11 | 11 | 307 | CLA | C3D-C2D-C1D | -4.59 | 99.57 | 105.83 |
| 11 | 13 | 303 | CLA | C3D-C2D-C1D | -4.59 | 99.57 | 105.83 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 14 | 306 | KC1 | CHC-C1C-C2C | -4.59 | 117.82 | 124.98 |
| 11 | 14 | 302 | CLA | C2C-C1C-NC | 4.58 | 114.27 | 109.97 |
| 14 | 8 | 318 | A86 | C4-C3-C2 | -4.58 | 114.09 | 123.47 |
| 13 | 12 | 315 | DD6 | C7-C6-C8 | -4.58 | 110.86 | 118.08 |
| 11 | 11 | 305 | CLA | C3D-C2D-C1D | -4.58 | 99.58 | 105.83 |
| 11 | 8 | 304 | CLA | O2D-CGD-CBD | 4.58 | 119.40 | 111.27 |
| 11 | 16 | 309 | CLA | C3D-C2D-C1D | -4.58 | 99.59 | 105.83 |
| 11 | 6 | 313 | CLA | C4A-NA-C1A | -4.58 | 104.65 | 106.71 |
| 11 | 14 | 309 | CLA | C4A-NA-C1A | -4.58 | 104.65 | 106.71 |
| 11 | 11 | 309 | CLA | C3D-C2D-C1D | -4.57 | 99.59 | 105.83 |
| 12 | 10 | 306 | KC1 | CHD-C4C-C3C | -4.57 | 116.74 | 125.33 |
| 12 | 8 | 311 | KC1 | CHC-C1C-C2C | -4.57 | 117.84 | 124.98 |
| 12 | 10 | 310 | KC1 | CMD-C2D-C1D | 4.57 | 135.48 | 128.46 |
| 12 | 12 | 305 | KC1 | C2C-C1C-NC | 4.57 | 115.56 | 110.57 |
| 11 | 6 | 314 | CLA | C3D-C2D-C1D | -4.56 | 99.60 | 105.83 |
| 11 | 14 | 313 | CLA | C4A-NA-C1A | -4.56 | 104.65 | 106.71 |
| 11 | 16 | 303 | CLA | C3D-C4D-ND | 4.56 | 117.62 | 110.24 |
| 14 | 8 | 315 | A86 | C26-C25-C24 | -4.56 | 108.98 | 123.22 |
| 11 | 12 | 321 | CLA | C3D-C2D-C1D | -4.56 | 99.61 | 105.83 |
| 11 | 14 | 310 | CLA | C3D-C2D-C1D | -4.56 | 99.61 | 105.83 |
| 12 | 13 | 311 | KC1 | C1A-NA-C4A | -4.56 | 104.66 | 106.71 |
| 12 | 6 | 305 | KC1 | O2D-CGD-CBD | 4.56 | 119.36 | 111.27 |
| 11 | 8 | 308 | CLA | C3D-C2D-C1D | -4.56 | 99.61 | 105.83 |
| 13 | 8 | 316 | DD6 | C13-C11-C10 | -4.55 | 111.95 | 118.94 |
| 11 | 7 | 308 | CLA | O2D-CGD-CBD | 4.55 | 119.36 | 111.27 |
| 11 | 11 | 303 | CLA | C3D-C2D-C1D | -4.55 | 99.62 | 105.83 |
| 11 | 11 | 308 | CLA | C3D-C4D-ND | 4.55 | 117.60 | 110.24 |
| 12 | 10 | 310 | KC1 | CHC-C1C-C2C | -4.55 | 117.87 | 124.98 |
| 11 | 13 | 303 | CLA | C3D-C4D-ND | 4.55 | 117.60 | 110.24 |
| 13 | 15 | 318 | DD6 | C35-C36-C31 | -4.55 | 110.24 | 120.57 |
| 13 | 6 | 316 | DD6 | C13-C11-C10 | -4.55 | 111.96 | 118.94 |
| 12 | 14 | 308 | KC1 | CHC-C1C-C2C | -4.55 | 117.87 | 124.98 |
| 12 | 12 | 305 | KC1 | CHC-C1C-C2C | -4.55 | 117.88 | 124.98 |
| 12 | 8 | 312 | KC1 | C2A-C1A-NA | 4.55 | 116.69 | 109.40 |
| 12 | 12 | 313 | KC1 | CMA-C3A-C2A | -4.55 | 117.17 | 128.30 |
| 12 | 7 | 307 | KC1 | CHC-C1C-C2C | -4.55 | 117.88 | 124.98 |
| 13 | 7 | 316 | DD6 | C-C1-C24 | -4.55 | 110.92 | 118.08 |
| 12 | 6 | 305 | KC1 | C1A-NA-C4A | -4.54 | 104.66 | 106.71 |
| 11 | 15 | 312 | CLA | C4A-NA-C1A | -4.54 | 104.66 | 106.71 |
| 12 | 8 | 307 | KC1 | C1A-NA-C4A | -4.54 | 104.66 | 106.71 |
| 11 | 11 | 303 | CLA | C2C-C1C-NC | 4.54 | 114.23 | 109.97 |
| 12 | 14 | 306 | KC1 | C4B-C3B-C2B | -4.54 | 103.02 | 106.75 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 6 | 302 | CLA | C3D-C2D-C1D | -4.54 | 99.64 | 105.83 |
| 11 | 16 | 303 | CLA | O2D-CGD-CBD | 4.54 | 119.33 | 111.27 |
| 11 | 8 | 301 | CLA | C3C-C4C-NC | 4.54 | 115.66 | 110.57 |
| 12 | 8 | 314 | KC1 | CHC-C1C-C2C | -4.53 | 117.89 | 124.98 |
| 11 | 14 | 305 | CLA | C3D-C2D-C1D | -4.53 | 99.64 | 105.83 |
| 14 | 14 | 301 | A86 | C4-C5-C6 | -4.53 | 120.84 | 127.31 |
| 12 | 7 | 307 | KC1 | CMD-C2D-C1D | 4.53 | 135.43 | 128.46 |
| 11 | 7 | 309 | CLA | C4A-NA-C1A | -4.53 | 104.67 | 106.71 |
| 12 | 8 | 314 | KC1 | CHD-C4C-C3C | -4.53 | 116.83 | 125.33 |
| 11 | 6 | 307 | CLA | C3D-C2D-C1D | -4.52 | 99.66 | 105.83 |
| 11 | 13 | 309 | CLA | C3D-C2D-C1D | -4.52 | 99.66 | 105.83 |
| 11 | 8 | 304 | CLA | C3D-C2D-C1D | -4.52 | 99.66 | 105.83 |
| 11 | 14 | 313 | CLA | C3D-C2D-C1D | -4.52 | 99.66 | 105.83 |
| 12 | 6 | 309 | KC1 | O2D-CGD-CBD | 4.52 | 119.30 | 111.27 |
| 11 | 12 | 310 | CLA | C3D-C2D-C1D | -4.52 | 99.66 | 105.83 |
| 13 | 8 | 317 | DD6 | C-C1-C24 | -4.52 | 110.96 | 118.08 |
| 14 | 8 | 315 | A86 | C3-C2-C1 | -4.52 | 120.86 | 127.31 |
| 14 | 10 | 315 | A86 | C25-C26-C27 | -4.52 | 120.86 | 127.31 |
| 11 | 7 | 305 | CLA | C3D-C2D-C1D | -4.52 | 99.66 | 105.83 |
| 11 | 15 | 303 | CLA | O2D-CGD-CBD | 4.52 | 119.30 | 111.27 |
| 11 | 7 | 310 | CLA | C3D-C2D-C1D | -4.52 | 99.67 | 105.83 |
| 11 | 15 | 308 | CLA | C3D-C2D-C1D | -4.51 | 99.67 | 105.83 |
| 14 | 16 | 312 | A86 | C8-C6-C5 | 4.51 | 125.87 | 118.94 |
| 11 | 15 | 306 | CLA | C3D-C2D-C1D | -4.51 | 99.67 | 105.83 |
| 14 | 8 | 315 | A86 | C4-C5-C6 | -4.51 | 120.87 | 127.31 |
| 11 | 16 | 305 | CLA | C3D-C2D-C1D | -4.51 | 99.68 | 105.83 |
| 13 | 10 | 313 | DD6 | C12-C11-C13 | -4.51 | 110.98 | 118.08 |
| 11 | 12 | 312 | CLA | O2D-CGD-CBD | 4.51 | 119.28 | 111.27 |
| 12 | 8 | 311 | KC1 | CHD-C4C-C3C | -4.50 | 116.88 | 125.33 |
| 11 | 16 | 309 | CLA | C4A-NA-C1A | -4.50 | 104.68 | 106.71 |
| 12 | 13 | 311 | KC1 | CHD-C4C-C3C | -4.50 | 116.89 | 125.33 |
| 11 | 14 | 305 | CLA | O2D-CGD-CBD | 4.50 | 119.26 | 111.27 |
| 11 | 7 | 302 | CLA | C3D-C2D-C1D | -4.50 | 99.70 | 105.83 |
| 12 | 14 | 311 | KC1 | O2D-CGD-CBD | 4.50 | 119.26 | 111.27 |
| 14 | 7 | 314 | A86 | C23-C16-C22 | -4.49 | 100.74 | 107.37 |
| 11 | 14 | 313 | CLA | C3D-C4D-ND | 4.49 | 117.50 | 110.24 |
| 11 | 10 | 305 | CLA | C3D-C2D-C1D | -4.49 | 99.71 | 105.83 |
| 11 | 14 | 302 | CLA | C3D-C2D-C1D | -4.49 | 99.71 | 105.83 |
| 14 | 7 | 318 | A86 | C36-C31-C32 | -4.49 | 115.25 | 119.70 |
| 14 | 15 | 321 | A86 | C3-C2-C1 | -4.49 | 120.91 | 127.31 |
| 14 | 7 | 318 | A86 | C20-C19-C18 | -4.48 | 103.88 | 112.75 |
| 13 | 7 | 313 | DD6 | C37-C36-C35 | -4.48 | 106.05 | 114.36 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 14 | 306 | KC1 | C2A-C1A-NA | 4.48 | 116.59 | 109.40 |
| 12 | 6 | 309 | KC1 | C1A-NA-C4A | -4.48 | 104.69 | 106.71 |
| 14 | 7 | 314 | A86 | C26-C25-C24 | -4.48 | 109.25 | 123.22 |
| 11 | 7 | 309 | CLA | C3D-C2D-C1D | -4.48 | 99.72 | 105.83 |
| 11 | 6 | 306 | CLA | C3D-C2D-C1D | -4.47 | 99.73 | 105.83 |
| 12 | 12 | 311 | KC1 | CHD-C4C-C3C | -4.47 | 116.94 | 125.33 |
| 12 | 11 | 304 | KC1 | C2A-C1A-NA | 4.47 | 116.57 | 109.40 |
| 13 | 12 | 317 | DD6 | C35-C36-C31 | -4.47 | 110.42 | 120.57 |
| 14 | 7 | 315 | A86 | C20-C19-C18 | -4.46 | 103.92 | 112.75 |
| 12 | 6 | 310 | KC1 | O2D-CGD-CBD | 4.46 | 119.19 | 111.27 |
| 14 | 7 | 318 | A86 | C25-C24-C1 | -4.46 | 113.89 | 126.42 |
| 11 | 8 | 302 | CLA | CMB-C2B-C3B | 4.46 | 133.02 | 124.68 |
| 12 | 10 | 306 | KC1 | CHC-C1C-C2C | -4.46 | 118.02 | 124.98 |
| 14 | 16 | 314 | A86 | C4-C5-C6 | -4.46 | 120.95 | 127.31 |
| 11 | 15 | 305 | CLA | C3D-C2D-C1D | -4.46 | 99.75 | 105.83 |
| 11 | 13 | 307 | CLA | C4A-NA-C1A | -4.46 | 104.70 | 106.71 |
| 12 | 10 | 310 | KC1 | CHD-C4C-C3C | -4.45 | 116.97 | 125.33 |
| 11 | 11 | 305 | CLA | C3D-C4D-ND | 4.45 | 117.44 | 110.24 |
| 14 | 12 | 316 | A86 | C40-C32-C31 | -4.45 | 106.49 | 110.47 |
| 11 | 14 | 303 | CLA | C3D-C2D-C1D | -4.45 | 99.76 | 105.83 |
| 11 | 6 | 311 | CLA | C3D-C2D-C1D | -4.45 | 99.76 | 105.83 |
| 11 | 15 | 310 | CLA | C4A-NA-C1A | -4.45 | 104.71 | 106.71 |
| 13 | 6 | 316 | DD6 | C21-C20-C19 | -4.44 | 109.28 | 114.28 |
| 12 | 8 | 314 | KC1 | C2C-C1C-NC | 4.44 | 115.42 | 110.57 |
| 11 | 7 | 302 | CLA | C2C-C1C-NC | 4.44 | 114.13 | 109.97 |
| 12 | 13 | 312 | KC1 | CHC-C1C-C2C | -4.44 | 118.04 | 124.98 |
| 11 | 14 | 304 | CLA | C4A-NA-C1A | -4.44 | 104.71 | 106.71 |
| 11 | 11 | 303 | CLA | C3D-C4D-ND | 4.43 | 117.41 | 110.24 |
| 11 | 14 | 307 | CLA | CHD-C4C-C3C | -4.43 | 118.33 | 124.84 |
| 11 | 13 | 307 | CLA | C3D-C2D-C1D | -4.43 | 99.78 | 105.83 |
| 12 | 12 | 309 | KC1 | CHC-C1C-C2C | -4.42 | 118.07 | 124.98 |
| 13 | 15 | 319 | DD6 | C35-C36-C31 | -4.42 | 110.53 | 120.57 |
| 12 | 7 | 307 | KC1 | C2C-C1C-NC | 4.42 | 115.40 | 110.57 |
| 11 | 10 | 308 | CLA | C3D-C4D-ND | 4.42 | 117.39 | 110.24 |
| 12 | 13 | 305 | KC1 | C2C-C1C-NC | 4.41 | 115.39 | 110.57 |
| 11 | 13 | 304 | CLA | C4A-NA-C1A | -4.41 | 104.72 | 106.71 |
| 11 | 12 | 310 | CLA | C3C-C4C-NC | 4.41 | 115.52 | 110.57 |
| 11 | 15 | 303 | CLA | C3C-C4C-NC | 4.41 | 115.52 | 110.57 |
| 12 | 8 | 306 | KC1 | CHC-C1C-C2C | -4.41 | 118.09 | 124.98 |
| 14 | 14 | 319 | A86 | C41-C32-C31 | -4.41 | 106.53 | 110.47 |
| 11 | 7 | 304 | CLA | C3D-C4D-ND | 4.41 | 117.37 | 110.24 |
| 11 | 6 | 312 | CLA | C3D-C2D-C1D | -4.41 | 99.82 | 105.83 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 13 | 7 | 317 | DD6 | C21-C20-C15 | -4.40 | 114.88 | 122.26 |
| 12 | 7 | 307 | KC1 | C4B-C3B-C2B | -4.40 | 103.14 | 106.75 |
| 11 | 7 | 311 | CLA | O2D-CGD-CBD | 4.40 | 119.08 | 111.27 |
| 11 | 10 | 308 | CLA | O2D-CGD-CBD | 4.40 | 119.08 | 111.27 |
| 12 | 13 | 310 | KC1 | C2C-C1C-NC | 4.40 | 115.37 | 110.57 |
| 11 | 6 | 304 | CLA | C4A-NA-C1A | -4.40 | 104.73 | 106.71 |
| 12 | 10 | 312 | KC1 | C2A-C1A-NA | 4.39 | 116.45 | 109.40 |
| 11 | 6 | 314 | CLA | O2D-CGD-CBD | 4.39 | 119.08 | 111.27 |
| 11 | 15 | 314 | CLA | C3D-C4D-ND | 4.39 | 117.34 | 110.24 |
| 14 | 10 | 316 | A86 | C10-C9-C8 | -4.39 | 109.52 | 123.22 |
| 11 | 8 | 303 | CLA | C4A-NA-C1A | -4.39 | 104.73 | 106.71 |
| 11 | 15 | 307 | CLA | C3D-C2D-C1D | -4.38 | 99.85 | 105.83 |
| 11 | 13 | 309 | CLA | O2D-CGD-CBD | 4.38 | 119.05 | 111.27 |
| 14 | 12 | 316 | A86 | C10-C9-C8 | -4.38 | 109.56 | 123.22 |
| 12 | 8 | 306 | KC1 | C2C-C1C-NC | 4.38 | 115.35 | 110.57 |
| 11 | 10 | 305 | CLA | C3D-C4D-ND | 4.37 | 117.31 | 110.24 |
| 11 | 14 | 309 | CLA | C3D-C2D-C1D | -4.37 | 99.86 | 105.83 |
| 12 | 16 | 304 | KC1 | C2C-C1C-NC | 4.37 | 115.35 | 110.57 |
| 14 | 16 | 314 | A86 | C40-C32-C31 | -4.37 | 106.56 | 110.47 |
| 14 | 7 | 318 | A86 | C9-C8-C6 | -4.37 | 114.14 | 126.42 |
| 12 | 16 | 304 | KC1 | C2A-C1A-NA | 4.37 | 116.41 | 109.40 |
| 14 | 15 | 320 | A86 | C41-C32-C31 | -4.37 | 106.56 | 110.47 |
| 11 | 7 | 304 | CLA | C3D-C2D-C1D | -4.37 | 99.87 | 105.83 |
| 14 | 15 | 321 | A86 | C17-C16-C15 | 4.37 | 113.62 | 109.16 |
| 11 | 6 | 311 | CLA | C3D-C4D-ND | 4.37 | 117.30 | 110.24 |
| 12 | 8 | 307 | KC1 | C2A-C1A-NA | 4.36 | 116.39 | 109.40 |
| 12 | 8 | 306 | KC1 | C4B-C3B-C2B | -4.35 | 103.18 | 106.75 |
| 12 | 14 | 306 | KC1 | CMD-C2D-C1D | 4.35 | 135.16 | 128.46 |
| 11 | 16 | 301 | CLA | O2D-CGD-CBD | 4.35 | 119.00 | 111.27 |
| 12 | 10 | 310 | KC1 | C2A-C1A-NA | 4.35 | 116.38 | 109.40 |
| 11 | 15 | 309 | CLA | C3D-C4D-ND | 4.35 | 117.27 | 110.24 |
| 12 | 8 | 307 | KC1 | O2D-CGD-CBD | 4.35 | 118.99 | 111.27 |
| 11 | 8 | 303 | CLA | C3D-C4D-ND | 4.34 | 117.27 | 110.24 |
| 12 | 13 | 311 | KC1 | C2A-C1A-NA | 4.34 | 116.36 | 109.40 |
| 13 | 8 | 316 | DD6 | C23-C16-C17 | -4.34 | 101.45 | 108.98 |
| 11 | 8 | 305 | CLA | C3C-C4C-NC | 4.33 | 115.43 | 110.57 |
| 11 | 15 | 307 | CLA | C4A-NA-C1A | -4.33 | 104.76 | 106.71 |
| 11 | 16 | 301 | CLA | C3C-C4C-NC | 4.33 | 115.43 | 110.57 |
| 11 | 15 | 304 | CLA | C3C-C4C-NC | 4.33 | 115.43 | 110.57 |
| 12 | 11 | 310 | KC1 | C2A-C1A-NA | 4.33 | 116.34 | 109.40 |
| 13 | 11 | 312 | DD6 | C21-C20-C15 | -4.32 | 115.02 | 122.26 |
| 11 | 12 | 304 | CLA | C3D-C4D-ND | 4.32 | 117.22 | 110.24 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 14 | 14 | 320 | A86 | C9-C8-C6 | -4.32 | 114.28 | 126.42 |
| 12 | 13 | 311 | KC1 | CBA-CAA-C2A | -4.32 | 108.81 | 125.27 |
| 11 | 8 | 304 | CLA | C1D-CHD-C4C | -4.31 | 116.75 | 126.06 |
| 11 | 16 | 307 | CLA | C3D-C2D-C1D | -4.31 | 99.95 | 105.83 |
| 12 | 12 | 313 | KC1 | CHB-C4A-C3A | -4.31 | 118.25 | 124.98 |
| 12 | 8 | 307 | KC1 | CHC-C1C-C2C | -4.31 | 118.25 | 124.98 |
| 11 | 13 | 301 | CLA | C4A-NA-C1A | -4.30 | 104.77 | 106.71 |
| 14 | 6 | 317 | A86 | C40-C32-C31 | -4.30 | 106.62 | 110.47 |
| 12 | 11 | 306 | KC1 | CHC-C1C-C2C | -4.30 | 118.26 | 124.98 |
| 12 | 13 | 308 | KC1 | CBA-CAA-C2A | -4.30 | 108.88 | 125.27 |
| 11 | 15 | 312 | CLA | C3D-C2D-C1D | -4.30 | 99.97 | 105.83 |
| 12 | 10 | 306 | KC1 | C2A-C1A-NA | 4.30 | 116.29 | 109.40 |
| 11 | 12 | 308 | CLA | C3D-C2D-C1D | -4.29 | 99.97 | 105.83 |
| 13 | 8 | 316 | DD6 | C15-C14-C13 | 4.29 | 135.07 | 125.99 |
| 11 | 11 | 309 | CLA | C4A-NA-C1A | -4.29 | 104.78 | 106.71 |
| 12 | 13 | 308 | KC1 | C2C-C1C-NC | 4.29 | 115.25 | 110.57 |
| 11 | 6 | 313 | CLA | C3D-C2D-C1D | -4.29 | 99.98 | 105.83 |
| 12 | 8 | 306 | KC1 | C2A-C1A-NA | 4.29 | 116.28 | 109.40 |
| 12 | 6 | 308 | KC1 | C4B-C3B-C2B | -4.29 | 103.23 | 106.75 |
| 11 | 6 | 313 | CLA | O2D-CGD-CBD | 4.29 | 118.88 | 111.27 |
| 14 | 10 | 301 | A86 | C36-C31-C32 | -4.28 | 115.44 | 119.70 |
| 11 | 10 | 309 | CLA | C3D-C4D-ND | 4.28 | 117.17 | 110.24 |
| 11 | 12 | 307 | CLA | C3D-C2D-C1D | -4.28 | 99.98 | 105.83 |
| 11 | 12 | 302 | CLA | C3C-C4C-NC | 4.28 | 115.37 | 110.57 |
| 13 | 8 | 317 | DD6 | C7-C6-C8 | -4.28 | 111.33 | 118.08 |
| 11 | 16 | 306 | CLA | C3D-C4D-ND | 4.28 | 117.17 | 110.24 |
| 14 | 11 | 301 | A86 | C7-C6-C5 | -4.28 | 116.92 | 122.92 |
| 12 | 11 | 304 | KC1 | O2D-CGD-CBD | 4.28 | 118.87 | 111.27 |
| 12 | 10 | 306 | KC1 | C2C-C1C-NC | 4.28 | 115.24 | 110.57 |
| 11 | 7 | 302 | CLA | C3C-C4C-NC | 4.28 | 115.37 | 110.57 |
| 12 | 11 | 304 | KC1 | C2C-C1C-NC | 4.28 | 115.24 | 110.57 |
| 11 | 15 | 314 | CLA | C4A-NA-C1A | -4.27 | 104.78 | 106.71 |
| 11 | 12 | 307 | CLA | CAC-C3C-C4C | 4.27 | 130.35 | 124.81 |
| 15 | 6 | 319 | LHG | O4-P-O5 | 4.27 | 133.34 | 112.24 |
| 12 | 16 | 304 | KC1 | CHD-C4C-C3C | -4.27 | 117.32 | 125.33 |
| 12 | 12 | 313 | KC1 | C2C-C1C-NC | 4.27 | 115.23 | 110.57 |
| 11 | 10 | 307 | CLA | O2D-CGD-CBD | 4.26 | 118.84 | 111.27 |
| 12 | 7 | 312 | KC1 | O2D-CGD-CBD | 4.26 | 118.84 | 111.27 |
| 11 | 7 | 302 | CLA | C3D-C4D-ND | 4.26 | 117.13 | 110.24 |
| 12 | 6 | 309 | KC1 | C2A-C1A-NA | 4.26 | 116.23 | 109.40 |
| 12 | 13 | 308 | KC1 | CHC-C1C-C2C | -4.25 | 118.33 | 124.98 |
| 11 | 6 | 304 | CLA | C3D-C2D-C1D | -4.25 | 100.03 | 105.83 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 16 | 311 | KC1 | CBA-CAA-C2A | -4.25 | 109.08 | 125.27 |
| 11 | 10 | 308 | CLA | C4A-NA-C1A | -4.25 | 104.80 | 106.71 |
| 11 | 12 | 307 | CLA | C3D-C4D-ND | 4.25 | 117.11 | 110.24 |
| 11 | 14 | 302 | CLA | C3D-C4D-ND | 4.25 | 117.11 | 110.24 |
| 11 | 12 | 302 | CLA | C1D-CHD-C4C | -4.25 | 116.90 | 126.06 |
| 11 | 15 | 304 | CLA | C3D-C4D-ND | 4.24 | 117.10 | 110.24 |
| 11 | 14 | 304 | CLA | C3D-C4D-ND | 4.24 | 117.10 | 110.24 |
| 11 | 12 | 306 | CLA | C3D-C2D-C1D | -4.24 | 100.05 | 105.83 |
| 13 | 8 | 316 | DD6 | C-C1-C24 | -4.24 | 111.40 | 118.08 |
| 14 | 10 | 317 | A86 | C25-C26-C27 | -4.23 | 121.27 | 127.31 |
| 11 | 15 | 312 | CLA | C1C-C2C-C3C | -4.23 | 102.51 | 106.96 |
| 12 | 13 | 308 | KC1 | C2A-C1A-NA | 4.23 | 116.19 | 109.40 |
| 14 | 14 | 314 | A86 | C4-C3-C2 | -4.23 | 114.81 | 123.47 |
| 12 | 11 | 310 | KC1 | CHC-C1C-C2C | -4.23 | 118.37 | 124.98 |
| 12 | 12 | 311 | KC1 | C1A-NA-C4A | -4.23 | 104.81 | 106.71 |
| 14 | 10 | 302 | A86 | C3-C2-C1 | -4.23 | 121.28 | 127.31 |
| 11 | 6 | 314 | CLA | C4A-NA-C1A | -4.23 | 104.81 | 106.71 |
| 11 | 12 | 310 | CLA | C4A-NA-C1A | -4.22 | 104.81 | 106.71 |
| 11 | 12 | 312 | CLA | C3D-C4D-ND | 4.22 | 117.07 | 110.24 |
| 11 | 6 | 302 | CLA | O2D-CGD-CBD | 4.22 | 118.77 | 111.27 |
| 12 | 8 | 314 | KC1 | O2D-CGD-O1D | -4.22 | 115.58 | 123.84 |
| 12 | 11 | 304 | KC1 | CHC-C1C-C2C | -4.22 | 118.39 | 124.98 |
| 11 | 12 | 302 | CLA | O2D-CGD-CBD | 4.22 | 118.77 | 111.27 |
| 11 | 12 | 310 | CLA | C3D-C4D-ND | 4.22 | 117.06 | 110.24 |
| 14 | 14 | 320 | A86 | C25-C24-C1 | -4.22 | 114.56 | 126.42 |
| 12 | 8 | 313 | KC1 | O2D-CGD-CBD | 4.22 | 118.76 | 111.27 |
| 12 | 6 | 308 | KC1 | C1C-C2C-C3C | -4.22 | 102.52 | 106.96 |
| 11 | 8 | 309 | CLA | C3D-C4D-ND | 4.22 | 117.06 | 110.24 |
| 11 | 14 | 312 | CLA | O2D-CGD-CBD | 4.21 | 118.76 | 111.27 |
| 11 | 11 | 307 | CLA | C3D-C4D-ND | 4.21 | 117.05 | 110.24 |
| 12 | 13 | 312 | KC1 | C1A-NA-C4A | -4.21 | 104.81 | 106.71 |
| 14 | 7 | 314 | A86 | C25-C26-C27 | -4.21 | 121.30 | 127.31 |
| 11 | 7 | 306 | CLA | C3D-C4D-ND | 4.21 | 117.05 | 110.24 |
| 12 | 13 | 312 | KC1 | C2C-C1C-NC | 4.21 | 115.17 | 110.57 |
| 11 | 10 | 307 | CLA | C4A-NA-C1A | -4.21 | 104.81 | 106.71 |
| 12 | 6 | 310 | KC1 | CHC-C1C-C2C | -4.21 | 118.40 | 124.98 |
| 14 | 12 | 314 | A86 | C4-C3-C2 | -4.21 | 114.85 | 123.47 |
| 12 | 12 | 313 | KC1 | CHC-C1C-C2C | -4.21 | 118.40 | 124.98 |
| 12 | 8 | 311 | KC1 | C2C-C1C-NC | 4.21 | 115.17 | 110.57 |
| 11 | 12 | 308 | CLA | C3C-C4C-NC | 4.21 | 115.29 | 110.57 |
| 11 | 8 | 309 | CLA | C3D-C2D-C1D | -4.21 | 100.09 | 105.83 |
| 12 | 7 | 312 | KC1 | C2A-C1A-NA | 4.20 | 116.14 | 109.40 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 13 | 13 | 314 | DD6 | C15-C14-C13 | 4.20 | 134.88 | 125.99 |
| 14 | 13 | 313 | A86 | C9-C10-C11 | -4.20 | 114.26 | 126.61 |
| 11 | 16 | 309 | CLA | C3D-C4D-ND | 4.20 | 117.03 | 110.24 |
| 11 | 10 | 309 | CLA | C4A-NA-C1A | -4.20 | 104.82 | 106.71 |
| 14 | 15 | 316 | A86 | C9-C8-C6 | -4.20 | 114.63 | 126.42 |
| 12 | 12 | 311 | KC1 | C2A-C1A-NA | 4.19 | 116.12 | 109.40 |
| 11 | 8 | 305 | CLA | C1-C2-C3 | -4.19 | 118.80 | 126.04 |
| 13 | 15 | 318 | DD6 | C23-C16-C15 | 4.19 | 121.34 | 110.05 |
| 11 | 14 | 310 | CLA | C3D-C4D-ND | 4.18 | 117.00 | 110.24 |
| 12 | 14 | 308 | KC1 | CBA-CAA-C2A | -4.18 | 109.33 | 125.27 |
| 11 | 8 | 301 | CLA | C3D-C4D-ND | 4.18 | 117.00 | 110.24 |
| 11 | 12 | 303 | CLA | C3C-C4C-NC | 4.18 | 115.26 | 110.57 |
| 11 | 15 | 307 | CLA | C1C-C2C-C3C | -4.18 | 102.56 | 106.96 |
| 14 | 7 | 318 | A86 | C4-C5-C6 | -4.18 | 121.34 | 127.31 |
| 11 | 10 | 304 | CLA | C3C-C4C-NC | 4.18 | 115.26 | 110.57 |
| 11 | 13 | 309 | CLA | C3C-C4C-NC | 4.18 | 115.26 | 110.57 |
| 11 | 15 | 306 | CLA | C3C-C4C-NC | 4.18 | 115.26 | 110.57 |
| 14 | 14 | 315 | A86 | C36-C31-C32 | -4.18 | 115.55 | 119.70 |
| 11 | 6 | 303 | CLA | C3D-C4D-ND | 4.18 | 117.00 | 110.24 |
| 11 | 10 | 311 | CLA | C3D-C4D-ND | 4.18 | 117.00 | 110.24 |
| 11 | 12 | 308 | CLA | C4A-NA-C1A | -4.18 | 104.83 | 106.71 |
| 12 | 14 | 311 | KC1 | C1A-NA-C4A | -4.18 | 104.83 | 106.71 |
| 14 | 10 | 301 | A86 | C22-C16-C17 | -4.18 | 101.73 | 108.98 |
| 11 | 13 | 302 | CLA | O2D-CGD-CBD | 4.18 | 118.69 | 111.27 |
| 11 | 14 | 302 | CLA | C4A-NA-C1A | -4.18 | 104.83 | 106.71 |
| 11 | 14 | 303 | CLA | C4A-NA-C1A | -4.18 | 104.83 | 106.71 |
| 11 | 15 | 313 | CLA | C3D-C4D-ND | 4.17 | 116.99 | 110.24 |
| 11 | 16 | 307 | CLA | C3D-C4D-ND | 4.17 | 116.99 | 110.24 |
| 14 | 15 | 322 | A86 | C9-C8-C6 | -4.17 | 114.69 | 126.42 |
| 11 | 7 | 308 | CLA | C4A-NA-C1A | -4.17 | 104.83 | 106.71 |
| 11 | 15 | 309 | CLA | C4A-NA-C1A | -4.17 | 104.83 | 106.71 |
| 12 | 7 | 312 | KC1 | C1A-NA-C4A | -4.17 | 104.83 | 106.71 |
| 13 | 7 | 317 | DD6 | C22-C16-C15 | 4.17 | 121.30 | 110.05 |
| 14 | 15 | 321 | A86 | C4-C5-C6 | -4.17 | 121.36 | 127.31 |
| 12 | 13 | 311 | KC1 | C3B-C2B-C1B | -4.16 | 103.10 | 107.08 |
| 12 | 6 | 310 | KC1 | C2C-C1C-NC | 4.16 | 115.12 | 110.57 |
| 11 | 7 | 305 | CLA | C3C-C4C-NC | 4.16 | 115.24 | 110.57 |
| 12 | 7 | 312 | KC1 | CHC-C1C-C2C | -4.16 | 118.48 | 124.98 |
| 14 | 14 | 317 | A86 | C12-C11-C13 | 4.16 | 123.01 | 116.02 |
| 11 | 15 | 304 | CLA | C1D-CHD-C4C | -4.16 | 117.09 | 126.06 |
| 13 | 15 | 319 | DD6 | C15-C14-C13 | 4.16 | 134.78 | 125.99 |
| 13 | 13 | 314 | DD6 | C8-C6-C5 | -4.16 | 112.56 | 118.94 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 6 | 307 | CLA | C1C-C2C-C3C | -4.15 | 102.59 | 106.96 |
| 13 | 7 | 313 | DD6 | C21-C20-C19 | -4.15 | 109.61 | 114.28 |
| 12 | 16 | 304 | KC1 | C1A-NA-C4A | -4.15 | 104.84 | 106.71 |
| 14 | 6 | 317 | A86 | C4-C3-C2 | -4.15 | 114.98 | 123.47 |
| 11 | 7 | 308 | CLA | C1D-CHD-C4C | -4.15 | 117.11 | 126.06 |
| 12 | 13 | 312 | KC1 | C2A-C1A-NA | 4.15 | 116.05 | 109.40 |
| 14 | 14 | 319 | A86 | C36-C31-C32 | -4.15 | 115.58 | 119.70 |
| 11 | 15 | 307 | CLA | CAA-C2A-C3A | -4.15 | 101.43 | 112.78 |
| 14 | 15 | 322 | A86 | C25-C24-C1 | -4.15 | 114.77 | 126.42 |
| 14 | 15 | 317 | A86 | C33-C32-C31 | 4.14 | 113.24 | 109.21 |
| 12 | 12 | 313 | KC1 | C1A-C2A-C3A | 4.14 | 110.40 | 107.11 |
| 11 | 13 | 301 | CLA | C3D-C4D-ND | 4.14 | 116.94 | 110.24 |
| 11 | 14 | 312 | CLA | C3D-C4D-ND | 4.14 | 116.94 | 110.24 |
| 11 | 10 | 307 | CLA | C3C-C4C-NC | 4.14 | 115.22 | 110.57 |
| 11 | 14 | 307 | CLA | C3C-C4C-NC | 4.14 | 115.22 | 110.57 |
| 11 | 16 | 303 | CLA | CAA-C2A-C3A | -4.14 | 101.44 | 112.78 |
| 12 | 12 | 311 | KC1 | C2C-C1C-NC | 4.14 | 115.09 | 110.57 |
| 11 | 15 | 314 | CLA | C3C-C4C-NC | 4.14 | 115.21 | 110.57 |
| 12 | 8 | 306 | KC1 | C1C-C2C-C3C | -4.13 | 102.61 | 106.96 |
| 12 | 6 | 310 | KC1 | C2A-C1A-NA | 4.13 | 116.03 | 109.40 |
| 11 | 13 | 309 | CLA | C1C-C2C-C3C | -4.13 | 102.61 | 106.96 |
| 11 | 11 | 308 | CLA | C3D-C2D-C1D | -4.13 | 100.19 | 105.83 |
| 11 | 15 | 306 | CLA | C1D-CHD-C4C | -4.13 | 117.15 | 126.06 |
| 11 | 14 | 303 | CLA | C3D-C4D-ND | 4.13 | 116.91 | 110.24 |
| 14 | 6 | 317 | A86 | C36-C31-C32 | -4.13 | 115.60 | 119.70 |
| 12 | 16 | 311 | KC1 | C2C-C1C-NC | 4.13 | 115.08 | 110.57 |
| 14 | 15 | 315 | A86 | C41-C32-C31 | -4.12 | 106.78 | 110.47 |
| 12 | 11 | 311 | KC1 | C2A-C1A-NA | 4.12 | 116.01 | 109.40 |
| 11 | 13 | 304 | CLA | C3D-C4D-ND | 4.12 | 116.90 | 110.24 |
| 11 | 16 | 308 | CLA | C3D-C4D-ND | 4.12 | 116.90 | 110.24 |
| 14 | 15 | 320 | A86 | C9-C10-C11 | -4.12 | 114.50 | 126.61 |
| 13 | 8 | 316 | DD6 | C35-C36-C31 | -4.12 | 111.23 | 120.57 |
| 11 | 16 | 301 | CLA | C3D-C4D-ND | 4.11 | 116.89 | 110.24 |
| 13 | 15 | 318 | DD6 | C15-C14-C13 | 4.11 | 134.69 | 125.99 |
| 12 | 10 | 312 | KC1 | C4B-C3B-C2B | -4.11 | 103.38 | 106.75 |
| 12 | 6 | 310 | KC1 | C1A-NA-C4A | -4.11 | 104.86 | 106.71 |
| 12 | 8 | 314 | KC1 | CBA-CAA-C2A | -4.11 | 109.61 | 125.27 |
| 13 | 15 | 318 | DD6 | O1-C20-C21 | -4.11 | 110.13 | 115.06 |
| 11 | 15 | 310 | CLA | C3D-C4D-ND | 4.11 | 116.88 | 110.24 |
| 11 | 15 | 303 | CLA | C1D-CHD-C4C | -4.11 | 117.20 | 126.06 |
| 11 | 7 | 310 | CLA | C4A-NA-C1A | -4.11 | 104.86 | 106.71 |
| 11 | 6 | 301 | CLA | C3D-C4D-ND | 4.10 | 116.87 | 110.24 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 15 | 311 | CLA | C3D-C4D-ND | 4.10 | 116.87 | 110.24 |
| 14 | 14 | 315 | A86 | C10-C9-C8 | -4.10 | 110.43 | 123.22 |
| 11 | 6 | 304 | CLA | C3D-C4D-ND | 4.10 | 116.86 | 110.24 |
| 11 | 10 | 303 | CLA | O2D-CGD-CBD | 4.09 | 118.54 | 111.27 |
| 14 | 14 | 321 | A86 | C41-C32-C31 | -4.09 | 106.81 | 110.47 |
| 11 | 11 | 307 | CLA | C1D-CHD-C4C | -4.09 | 117.23 | 126.06 |
| 11 | 7 | 306 | CLA | C2C-C1C-NC | 4.09 | 113.81 | 109.97 |
| 11 | 7 | 309 | CLA | C3D-C4D-ND | 4.09 | 116.85 | 110.24 |
| 12 | 10 | 306 | KC1 | C1A-NA-C4A | -4.09 | 104.87 | 106.71 |
| 12 | 12 | 309 | KC1 | C2C-C1C-NC | 4.09 | 115.03 | 110.57 |
| 11 | 15 | 312 | CLA | C3D-C4D-ND | 4.09 | 116.85 | 110.24 |
| 12 | 14 | 311 | KC1 | C2C-C1C-NC | 4.09 | 115.03 | 110.57 |
| 11 | 6 | 312 | CLA | C3D-C4D-ND | 4.08 | 116.84 | 110.24 |
| 14 | 14 | 318 | A86 | C3-C2-C1 | -4.08 | 121.48 | 127.31 |
| 14 | 14 | 317 | A86 | C36-C31-C32 | -4.08 | 115.65 | 119.70 |
| 11 | 10 | 304 | CLA | O2D-CGD-CBD | 4.08 | 118.52 | 111.27 |
| 11 | 8 | 303 | CLA | C3D-C2D-C1D | -4.08 | 100.26 | 105.83 |
| 14 | 10 | 302 | A86 | C12-C11-C13 | 4.08 | 122.87 | 116.02 |
| 12 | 7 | 307 | KC1 | O2D-CGD-CBD | 4.08 | 118.51 | 111.27 |
| 12 | 7 | 307 | KC1 | C2A-C1A-NA | 4.08 | 115.94 | 109.40 |
| 12 | 11 | 310 | KC1 | C2C-C1C-NC | 4.08 | 115.02 | 110.57 |
| 14 | 14 | 321 | A86 | C25-C24-C1 | -4.08 | 114.97 | 126.42 |
| 11 | 8 | 309 | CLA | C1C-C2C-C3C | -4.08 | 102.67 | 106.96 |
| 12 | 11 | 306 | KC1 | C2C-C1C-NC | 4.07 | 115.02 | 110.57 |
| 12 | 6 | 305 | KC1 | CMD-C2D-C1D | 4.07 | 134.72 | 128.46 |
| 11 | 7 | 311 | CLA | C3D-C4D-ND | 4.07 | 116.83 | 110.24 |
| 11 | 14 | 310 | CLA | C1D-CHD-C4C | -4.07 | 117.28 | 126.06 |
| 14 | 13 | 315 | A86 | C40-C32-C31 | -4.07 | 106.83 | 110.47 |
| 12 | 14 | 311 | KC1 | CBA-CAA-C2A | -4.07 | 109.76 | 125.27 |
| 12 | 13 | 311 | KC1 | C1C-C2C-C3C | -4.07 | 102.68 | 106.96 |
| 11 | 14 | 305 | CLA | C3D-C4D-ND | 4.07 | 116.82 | 110.24 |
| 14 | 15 | 316 | A86 | C12-C11-C13 | 4.07 | 122.85 | 116.02 |
| 11 | 8 | 301 | CLA | CMB-C2B-C3B | 4.07 | 132.29 | 124.68 |
| 11 | 15 | 305 | CLA | C4A-NA-C1A | -4.07 | 104.88 | 106.71 |
| 11 | 12 | 308 | CLA | C3D-C4D-ND | 4.07 | 116.81 | 110.24 |
| 14 | 14 | 301 | A86 | C12-C11-C13 | 4.06 | 122.85 | 116.02 |
| 11 | 16 | 306 | CLA | C3C-C4C-NC | 4.06 | 115.13 | 110.57 |
| 13 | 8 | 317 | DD6 | C37-C36-C35 | -4.06 | 106.83 | 114.36 |
| 11 | 12 | 312 | CLA | C4A-NA-C1A | -4.06 | 104.88 | 106.71 |
| 12 | 8 | 311 | KC1 | C2A-C1A-NA | 4.06 | 115.91 | 109.40 |
| 13 | 8 | 316 | DD6 | C12-C11-C13 | -4.06 | 111.68 | 118.08 |
| 14 | 10 | 316 | A86 | C12-C11-C13 | 4.06 | 122.84 | 116.02 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 8 | 305 | CLA | C1D-CHD-C4C | -4.06 | 117.31 | 126.06 |
| 11 | 15 | 303 | CLA | C3D-C4D-ND | 4.06 | 116.80 | 110.24 |
| 14 | 11 | 314 | A86 | C4-C3-C2 | -4.06 | 115.17 | 123.47 |
| 11 | 11 | 309 | CLA | C3D-C4D-ND | 4.05 | 116.80 | 110.24 |
| 11 | 15 | 305 | CLA | C3D-C4D-ND | 4.05 | 116.79 | 110.24 |
| 11 | 12 | 302 | CLA | C3D-C4D-ND | 4.05 | 116.79 | 110.24 |
| 11 | 16 | 302 | CLA | C3C-C4C-NC | 4.05 | 115.11 | 110.57 |
| 11 | 16 | 302 | CLA | O2D-CGD-CBD | 4.05 | 118.47 | 111.27 |
| 12 | 8 | 313 | KC1 | C2A-C1A-NA | 4.05 | 115.90 | 109.40 |
| 12 | 6 | 310 | KC1 | CAA-CBA-CGA | -4.05 | 106.45 | 127.26 |
| 11 | 10 | 303 | CLA | C1D-CHD-C4C | -4.05 | 117.33 | 126.06 |
| 11 | 11 | 305 | CLA | O2D-CGD-CBD | 4.05 | 118.46 | 111.27 |
| 14 | 15 | 321 | A86 | C12-C11-C13 | 4.04 | 122.81 | 116.02 |
| 13 | 7 | 316 | DD6 | C22-C16-C15 | 4.04 | 120.96 | 110.05 |
| 11 | 16 | 310 | CLA | C3C-C4C-NC | 4.04 | 115.10 | 110.57 |
| 12 | 8 | 310 | KC1 | C2A-C1A-NA | 4.04 | 115.88 | 109.40 |
| 11 | 15 | 307 | CLA | C3C-C4C-NC | 4.04 | 115.10 | 110.57 |
| 11 | 15 | 306 | CLA | C1C-C2C-C3C | -4.04 | 102.71 | 106.96 |
| 11 | 7 | 309 | CLA | O2D-CGD-CBD | 4.03 | 118.44 | 111.27 |
| 11 | 10 | 311 | CLA | C4A-NA-C1A | -4.03 | 104.89 | 106.71 |
| 11 | 16 | 310 | CLA | C4A-NA-C1A | -4.03 | 104.89 | 106.71 |
| 12 | 8 | 312 | KC1 | C2C-C1C-NC | 4.03 | 114.97 | 110.57 |
| 14 | 16 | 314 | A86 | C36-C31-C32 | -4.03 | 115.70 | 119.70 |
| 12 | 11 | 306 | KC1 | C1A-NA-C4A | -4.03 | 104.90 | 106.71 |
| 12 | 11 | 311 | KC1 | CMA-C3A-C2A | -4.02 | 118.45 | 128.30 |
| 11 | 16 | 310 | CLA | C3D-C4D-ND | 4.02 | 116.75 | 110.24 |
| 11 | 6 | 312 | CLA | C4A-NA-C1A | -4.02 | 104.90 | 106.71 |
| 11 | 15 | 308 | CLA | C4A-NA-C1A | -4.02 | 104.90 | 106.71 |
| 11 | 16 | 305 | CLA | C1D-CHD-C4C | -4.02 | 117.38 | 126.06 |
| 12 | 13 | 312 | KC1 | C4B-C3B-C2B | -4.02 | 103.45 | 106.75 |
| 14 | 10 | 315 | A86 | C40-C32-C31 | -4.02 | 106.87 | 110.47 |
| 11 | 15 | 307 | CLA | O2D-CGD-CBD | 4.02 | 118.41 | 111.27 |
| 13 | 16 | 313 | DD6 | C37-C36-C35 | -4.02 | 106.91 | 114.36 |
| 11 | 12 | 310 | CLA | C1D-CHD-C4C | -4.02 | 117.39 | 126.06 |
| 14 | 7 | 314 | A86 | C20-C19-C18 | -4.01 | 104.81 | 112.75 |
| 12 | 8 | 314 | KC1 | C2A-C1A-NA | 4.01 | 115.84 | 109.40 |
| 14 | 8 | 315 | A86 | C3-C4-C5 | -4.01 | 115.25 | 123.47 |
| 14 | 15 | 316 | A86 | C4-C5-C6 | -4.01 | 121.58 | 127.31 |
| 11 | 16 | 301 | CLA | C1D-CHD-C4C | -4.01 | 117.40 | 126.06 |
| 14 | 8 | 318 | A86 | C33-C32-C31 | 4.01 | 113.11 | 109.21 |
| 12 | 8 | 312 | KC1 | CBA-CAA-C2A | -4.01 | 109.98 | 125.27 |
| 13 | 10 | 314 | DD6 | C37-C36-C35 | -4.01 | 106.92 | 114.36 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 16 | 311 | KC1 | CHC-C1C-C2C | -4.01 | 118.71 | 124.98 |
| 11 | 8 | 305 | CLA | C4A-NA-C1A | -4.01 | 104.90 | 106.71 |
| 11 | 12 | 307 | CLA | C1D-CHD-C4C | -4.01 | 117.41 | 126.06 |
| 11 | 14 | 309 | CLA | C3D-C4D-ND | 4.01 | 116.72 | 110.24 |
| 14 | 15 | 322 | A86 | C-C1-C2 | -4.01 | 117.31 | 122.92 |
| 12 | 11 | 306 | KC1 | CBA-CAA-C2A | -4.01 | 110.00 | 125.27 |
| 11 | 15 | 314 | CLA | C1D-CHD-C4C | -4.01 | 117.42 | 126.06 |
| 11 | 6 | 314 | CLA | C3D-C4D-ND | 4.00 | 116.71 | 110.24 |
| 12 | 13 | 310 | KC1 | C2A-C1A-NA | 4.00 | 115.82 | 109.40 |
| 11 | 6 | 311 | CLA | C1D-CHD-C4C | -4.00 | 117.43 | 126.06 |
| 13 | 15 | 318 | DD6 | C21-C20-C19 | -4.00 | 109.78 | 114.28 |
| 12 | 6 | 305 | KC1 | C2A-C1A-NA | 4.00 | 115.81 | 109.40 |
| 11 | 12 | 321 | CLA | C3D-C4D-ND | 4.00 | 116.71 | 110.24 |
| 12 | 14 | 308 | KC1 | C1A-NA-C4A | -4.00 | 104.91 | 106.71 |
| 11 | 15 | 307 | CLA | C3D-C4D-ND | 3.99 | 116.70 | 110.24 |
| 14 | 15 | 317 | A86 | C25-C26-C27 | -3.99 | 121.61 | 127.31 |
| 12 | 13 | 306 | KC1 | C4B-C3B-C2B | -3.99 | 103.47 | 106.75 |
| 14 | 10 | 316 | A86 | C40-C32-C31 | -3.99 | 106.90 | 110.47 |
| 11 | 13 | 301 | CLA | C1D-CHD-C4C | -3.99 | 117.45 | 126.06 |
| 11 | 8 | 304 | CLA | C3D-C4D-ND | 3.99 | 116.69 | 110.24 |
| 11 | 12 | 304 | CLA | O2A-CGA-CBA | 3.99 | 124.42 | 111.91 |
| 11 | 7 | 308 | CLA | C1C-C2C-C3C | -3.99 | 102.76 | 106.96 |
| 11 | 10 | 304 | CLA | C3D-C4D-ND | 3.99 | 116.69 | 110.24 |
| 11 | 10 | 308 | CLA | C2C-C1C-NC | 3.99 | 113.71 | 109.97 |
| 11 | 15 | 308 | CLA | CAC-C3C-C4C | 3.99 | 129.98 | 124.81 |
| 12 | 12 | 311 | KC1 | C4B-C3B-C2B | -3.99 | 103.48 | 106.75 |
| 12 | 14 | 308 | KC1 | CMD-C2D-C1D | 3.98 | 134.59 | 128.46 |
| 12 | 16 | 304 | KC1 | CBA-CAA-C2A | -3.98 | 110.08 | 125.27 |
| 12 | 13 | 310 | KC1 | C1C-C2C-C3C | -3.98 | 102.77 | 106.96 |
| 14 | 11 | 315 | A86 | C25-C24-C1 | -3.98 | 115.23 | 126.42 |
| 11 | 8 | 302 | CLA | C3D-C4D-ND | 3.98 | 116.68 | 110.24 |
| 11 | 15 | 306 | CLA | C3D-C4D-ND | 3.98 | 116.67 | 110.24 |
| 11 | 6 | 306 | CLA | C3D-C4D-ND | 3.98 | 116.67 | 110.24 |
| 11 | 7 | 305 | CLA | C1D-CHD-C4C | -3.98 | 117.48 | 126.06 |
| 11 | 13 | 302 | CLA | C3C-C4C-NC | 3.98 | 115.03 | 110.57 |
| 12 | 14 | 306 | KC1 | CHD-C4C-C3C | -3.97 | 117.87 | 125.33 |
| 11 | 14 | 305 | CLA | C3C-C4C-NC | 3.97 | 115.03 | 110.57 |
| 12 | 8 | 306 | KC1 | O2D-CGD-CBD | 3.97 | 118.32 | 111.27 |
| 11 | 6 | 302 | CLA | C3D-C4D-ND | 3.97 | 116.66 | 110.24 |
| 11 | 10 | 303 | CLA | C3C-C4C-NC | 3.97 | 115.02 | 110.57 |
| 12 | 10 | 312 | KC1 | CHC-C1C-C2C | -3.97 | 118.78 | 124.98 |
| 14 | 15 | 317 | A86 | C3-C2-C1 | -3.96 | 121.65 | 127.31 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 8 | 302 | CLA | O2D-CGD-CBD | 3.96 | 118.31 | 111.27 |
| 14 | 14 | 315 | A86 | C12-C11-C13 | 3.96 | 122.68 | 116.02 |
| 11 | 7 | 303 | CLA | C3D-C4D-ND | 3.96 | 116.65 | 110.24 |
| 11 | 16 | 302 | CLA | C3D-C4D-ND | 3.96 | 116.64 | 110.24 |
| 11 | 12 | 321 | CLA | C1D-CHD-C4C | -3.96 | 117.52 | 126.06 |
| 11 | 10 | 305 | CLA | CBA-CAA-C2A | 3.96 | 125.55 | 113.86 |
| 13 | 10 | 314 | DD6 | C25-C24-C1 | -3.96 | 115.30 | 126.42 |
| 12 | 6 | 309 | KC1 | C4B-C3B-C2B | -3.96 | 103.50 | 106.75 |
| 12 | 12 | 313 | KC1 | C1C-C2C-C3C | -3.96 | 102.80 | 106.96 |
| 11 | 12 | 307 | CLA | CAA-C2A-C3A | -3.96 | 101.94 | 112.78 |
| 11 | 11 | 305 | CLA | CBA-CAA-C2A | 3.96 | 125.55 | 113.86 |
| 12 | 8 | 312 | KC1 | O2D-CGD-CBD | 3.96 | 118.30 | 111.27 |
| 11 | 7 | 311 | CLA | C1D-CHD-C4C | -3.96 | 117.52 | 126.06 |
| 11 | 11 | 303 | CLA | C1D-CHD-C4C | -3.95 | 117.53 | 126.06 |
| 11 | 10 | 303 | CLA | C3D-C4D-ND | 3.95 | 116.63 | 110.24 |
| 11 | 6 | 303 | CLA | C3C-C4C-NC | 3.95 | 115.00 | 110.57 |
| 11 | 8 | 302 | CLA | C3C-C4C-NC | 3.95 | 115.00 | 110.57 |
| 11 | 7 | 303 | CLA | C1C-C2C-C3C | -3.95 | 102.81 | 106.96 |
| 13 | 6 | 316 | DD6 | C7-C6-C8 | -3.95 | 111.86 | 118.08 |
| 11 | 13 | 302 | CLA | C3D-C4D-ND | 3.95 | 116.62 | 110.24 |
| 14 | 11 | 313 | A86 | C25-C26-C27 | -3.94 | 121.68 | 127.31 |
| 14 | 15 | 315 | A86 | C-C1-C24 | -3.94 | 111.86 | 118.08 |
| 11 | 12 | 306 | CLA | C3C-C4C-NC | 3.94 | 114.99 | 110.57 |
| 11 | 16 | 305 | CLA | C1C-C2C-C3C | -3.94 | 102.81 | 106.96 |
| 14 | 16 | 312 | A86 | C26-C25-C24 | -3.94 | 110.93 | 123.22 |
| 12 | 14 | 308 | KC1 | C2A-C1A-NA | 3.94 | 115.72 | 109.40 |
| 11 | 8 | 308 | CLA | C3D-C4D-ND | 3.93 | 116.60 | 110.24 |
| 14 | 7 | 315 | A86 | C4-C3-C2 | -3.93 | 115.42 | 123.47 |
| 11 | 12 | 306 | CLA | C1D-CHD-C4C | -3.93 | 117.58 | 126.06 |
| 14 | 14 | 321 | A86 | C3-C4-C5 | -3.93 | 115.42 | 123.47 |
| 12 | 12 | 305 | KC1 | C1C-C2C-C3C | -3.93 | 102.83 | 106.96 |
| 11 | 16 | 305 | CLA | C3C-C4C-NC | 3.93 | 114.98 | 110.57 |
| 12 | 11 | 306 | KC1 | C2A-C1A-NA | 3.93 | 115.70 | 109.40 |
| 11 | 15 | 311 | CLA | C1D-CHD-C4C | -3.93 | 117.58 | 126.06 |
| 11 | 16 | 309 | CLA | C1C-C2C-C3C | -3.92 | 102.83 | 106.96 |
| 12 | 11 | 304 | KC1 | C4B-C3B-C2B | -3.92 | 103.53 | 106.75 |
| 11 | 11 | 307 | CLA | C4A-NA-C1A | -3.92 | 104.94 | 106.71 |
| 12 | 13 | 308 | KC1 | C1C-C2C-C3C | -3.92 | 102.83 | 106.96 |
| 11 | 16 | 306 | CLA | CAA-C2A-C3A | -3.92 | 102.04 | 112.78 |
| 11 | 16 | 309 | CLA | C1D-CHD-C4C | -3.92 | 117.60 | 126.06 |
| 11 | 16 | 306 | CLA | C3D-C2D-C1D | -3.92 | 100.48 | 105.83 |
| 14 | 7 | 315 | A86 | C4-C5-C6 | -3.92 | 121.72 | 127.31 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 6 | 307 | CLA | O2D-CGD-CBD | 3.92 | 118.22 | 111.27 |
| 12 | 13 | 312 | KC1 | C1C-C2C-C3C | -3.91 | 102.84 | 106.96 |
| 12 | 14 | 308 | KC1 | C4B-C3B-C2B | -3.91 | 103.54 | 106.75 |
| 11 | 10 | 311 | CLA | C1D-CHD-C4C | -3.91 | 117.62 | 126.06 |
| 11 | 16 | 309 | CLA | C3C-C4C-NC | 3.91 | 114.96 | 110.57 |
| 11 | 12 | 303 | CLA | CMB-C2B-C3B | 3.91 | 132.00 | 124.68 |
| 11 | 8 | 309 | CLA | C1D-CHD-C4C | -3.91 | 117.62 | 126.06 |
| 11 | 6 | 311 | CLA | CBC-CAC-C3C | -3.91 | 101.65 | 112.43 |
| 11 | 14 | 304 | CLA | C1D-CHD-C4C | -3.91 | 117.63 | 126.06 |
| 11 | 8 | 301 | CLA | C1C-C2C-C3C | -3.91 | 102.85 | 106.96 |
| 11 | 7 | 308 | CLA | C3D-C4D-ND | 3.91 | 116.56 | 110.24 |
| 14 | 14 | 320 | A86 | C41-C32-C31 | -3.91 | 106.98 | 110.47 |
| 12 | 11 | 310 | KC1 | C4B-C3B-C2B | -3.91 | 103.54 | 106.75 |
| 11 | 12 | 307 | CLA | CMC-C2C-C1C | 3.91 | 130.99 | 125.04 |
| 11 | 15 | 304 | CLA | O2D-CGD-CBD | 3.91 | 118.21 | 111.27 |
| 12 | 10 | 310 | KC1 | C1C-C2C-C3C | -3.90 | 102.85 | 106.96 |
| 12 | 11 | 310 | KC1 | CBA-CAA-C2A | -3.90 | 110.39 | 125.27 |
| 12 | 12 | 313 | KC1 | CAA-CBA-CGA | -3.90 | 107.21 | 127.26 |
| 13 | 6 | 315 | DD6 | C7-C6-C8 | -3.90 | 111.93 | 118.08 |
| 12 | 14 | 306 | KC1 | C2C-C1C-NC | 3.90 | 114.83 | 110.57 |
| 11 | 16 | 308 | CLA | C1D-CHD-C4C | -3.90 | 117.65 | 126.06 |
| 11 | 12 | 308 | CLA | O2D-CGD-CBD | 3.90 | 118.19 | 111.27 |
| 11 | 16 | 306 | CLA | C1D-CHD-C4C | -3.90 | 117.65 | 126.06 |
| 11 | 13 | 304 | CLA | C3C-C4C-NC | 3.89 | 114.94 | 110.57 |
| 12 | 8 | 307 | KC1 | CMB-C2B-C1B | 3.89 | 131.58 | 124.71 |
| 11 | 6 | 313 | CLA | C3D-C4D-ND | 3.89 | 116.54 | 110.24 |
| 11 | 15 | 302 | CLA | C1D-CHD-C4C | -3.89 | 117.66 | 126.06 |
| 11 | 7 | 305 | CLA | C1C-C2C-C3C | -3.89 | 102.86 | 106.96 |
| 12 | 11 | 311 | KC1 | C1C-C2C-C3C | -3.89 | 102.86 | 106.96 |
| 12 | 13 | 306 | KC1 | CHC-C1C-C2C | -3.89 | 118.90 | 124.98 |
| 11 | 6 | 306 | CLA | CMB-C2B-C3B | 3.89 | 131.96 | 124.68 |
| 11 | 12 | 306 | CLA | C1C-C2C-C3C | -3.89 | 102.86 | 106.96 |
| 11 | 6 | 313 | CLA | C1C-C2C-C3C | -3.89 | 102.87 | 106.96 |
| 13 | 12 | 315 | DD6 | C37-C36-C35 | -3.89 | 107.15 | 114.36 |
| 13 | 6 | 315 | DD6 | C21-C20-C19 | -3.89 | 109.91 | 114.28 |
| 12 | 6 | 308 | KC1 | CBA-CAA-C2A | -3.89 | 110.44 | 125.27 |
| 11 | 12 | 306 | CLA | C3D-C4D-ND | 3.89 | 116.53 | 110.24 |
| 13 | 16 | 313 | DD6 | C21-C20-C15 | -3.89 | 115.75 | 122.26 |
| 12 | 12 | 305 | KC1 | C4B-C3B-C2B | -3.89 | 103.56 | 106.75 |
| 11 | 8 | 301 | CLA | C1D-CHD-C4C | -3.88 | 117.68 | 126.06 |
| 11 | 15 | 310 | CLA | C3C-C4C-NC | 3.88 | 114.92 | 110.57 |
| 11 | 16 | 302 | CLA | C1D-CHD-C4C | -3.88 | 117.68 | 126.06 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 10 | 312 | KC1 | C2C-C1C-NC | 3.88 | 114.81 | 110.57 |
| 11 | 14 | 305 | CLA | CAA-C2A-C3A | -3.88 | 102.16 | 112.78 |
| 12 | 7 | 307 | KC1 | C1C-C2C-C3C | -3.88 | 102.88 | 106.96 |
| 11 | 12 | 303 | CLA | C1C-C2C-C3C | -3.88 | 102.88 | 106.96 |
| 11 | 15 | 314 | CLA | C1C-C2C-C3C | -3.88 | 102.88 | 106.96 |
| 11 | 15 | 311 | CLA | C1C-C2C-C3C | -3.87 | 102.88 | 106.96 |
| 12 | 16 | 311 | KC1 | C1C-C2C-C3C | -3.87 | 102.88 | 106.96 |
| 11 | 7 | 310 | CLA | C3D-C4D-ND | 3.87 | 116.50 | 110.24 |
| 13 | 12 | 317 | DD6 | C21-C20-C15 | -3.87 | 115.77 | 122.26 |
| 12 | 8 | 306 | KC1 | CBA-CAA-C2A | -3.87 | 110.51 | 125.27 |
| 12 | 8 | 310 | KC1 | CAC-C3C-C4C | 3.87 | 129.83 | 124.81 |
| 11 | 12 | 302 | CLA | C1C-C2C-C3C | -3.87 | 102.89 | 106.96 |
| 11 | 13 | 304 | CLA | C1C-C2C-C3C | -3.87 | 102.89 | 106.96 |
| 12 | 12 | 305 | KC1 | C2A-C1A-NA | 3.87 | 115.61 | 109.40 |
| 13 | 6 | 316 | DD6 | C35-C36-C31 | -3.87 | 111.79 | 120.57 |
| 11 | 13 | 309 | CLA | C4A-NA-C1A | -3.87 | 104.97 | 106.71 |
| 11 | 13 | 307 | CLA | C1C-C2C-C3C | -3.87 | 102.89 | 106.96 |
| 11 | 12 | 308 | CLA | C1D-CHD-C4C | -3.86 | 117.72 | 126.06 |
| 14 | 11 | 301 | A86 | C36-C31-C32 | -3.86 | 115.86 | 119.70 |
| 11 | 7 | 304 | CLA | C3B-C4B-NB | 3.86 | 114.20 | 109.21 |
| 11 | 14 | 309 | CLA | C1D-CHD-C4C | -3.86 | 117.73 | 126.06 |
| 11 | 7 | 302 | CLA | C4A-NA-C1A | -3.86 | 104.97 | 106.71 |
| 11 | 16 | 306 | CLA | CAC-C3C-C4C | 3.86 | 129.82 | 124.81 |
| 11 | 14 | 307 | CLA | O2D-CGD-CBD | 3.86 | 118.13 | 111.27 |
| 14 | 7 | 315 | A86 | C26-C25-C24 | -3.86 | 111.17 | 123.22 |
| 11 | 16 | 303 | CLA | C3C-C4C-NC | 3.86 | 114.90 | 110.57 |
| 11 | 16 | 305 | CLA | C3D-C4D-ND | 3.86 | 116.48 | 110.24 |
| 11 | 7 | 306 | CLA | C4A-NA-C1A | -3.86 | 104.97 | 106.71 |
| 11 | 12 | 303 | CLA | C3D-C4D-ND | 3.85 | 116.47 | 110.24 |
| 11 | 14 | 309 | CLA | C1C-C2C-C3C | -3.85 | 102.91 | 106.96 |
| 12 | 14 | 311 | KC1 | CHC-C1C-C2C | -3.85 | 118.96 | 124.98 |
| 14 | 7 | 314 | A86 | O4-C38-C39 | 3.85 | 118.17 | 111.09 |
| 12 | 7 | 307 | KC1 | C1A-NA-C4A | -3.85 | 104.98 | 106.71 |
| 11 | 6 | 301 | CLA | C1C-C2C-C3C | -3.84 | 102.92 | 106.96 |
| 11 | 14 | 310 | CLA | C1C-C2C-C3C | -3.84 | 102.92 | 106.96 |
| 11 | 7 | 306 | CLA | C1D-CHD-C4C | -3.84 | 117.77 | 126.06 |
| 11 | 6 | 314 | CLA | C1C-C2C-C3C | -3.84 | 102.92 | 106.96 |
| 11 | 15 | 310 | CLA | C3B-C4B-NB | 3.84 | 114.18 | 109.21 |
| 13 | 7 | 301 | DD6 | C15-C14-C13 | -3.84 | 117.87 | 125.99 |
| 11 | 16 | 307 | CLA | C1D-CHD-C4C | -3.84 | 117.78 | 126.06 |
| 11 | 15 | 313 | CLA | C1D-CHD-C4C | -3.83 | 117.78 | 126.06 |
| 11 | 6 | 307 | CLA | C4A-NA-C1A | -3.83 | 104.98 | 106.71 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 6 | 314 | CLA | C1D-CHD-C4C | -3.83 | 117.79 | 126.06 |
| 11 | 13 | 309 | CLA | C1D-CHD-C4C | -3.83 | 117.79 | 126.06 |
| 11 | 6 | 312 | CLA | C1C-C2C-C3C | -3.83 | 102.93 | 106.96 |
| 11 | 15 | 303 | CLA | C1C-C2C-C3C | -3.83 | 102.93 | 106.96 |
| 11 | 14 | 305 | CLA | C4A-NA-C1A | -3.83 | 104.98 | 106.71 |
| 12 | 10 | 310 | KC1 | CBA-CAA-C2A | -3.83 | 110.67 | 125.27 |
| 13 | 7 | 317 | DD6 | C15-C14-C13 | 3.83 | 134.09 | 125.99 |
| 11 | 13 | 307 | CLA | C3C-C4C-NC | 3.83 | 114.87 | 110.57 |
| 14 | 8 | 315 | A86 | C33-C32-C31 | 3.83 | 112.93 | 109.21 |
| 11 | 10 | 307 | CLA | C1D-CHD-C4C | -3.83 | 117.80 | 126.06 |
| 14 | 13 | 313 | A86 | C36-C35-C34 | 3.83 | 116.28 | 111.75 |
| 11 | 13 | 301 | CLA | C3C-C4C-NC | 3.83 | 114.86 | 110.57 |
| 11 | 14 | 312 | CLA | C3C-C4C-NC | 3.83 | 114.86 | 110.57 |
| 11 | 15 | 305 | CLA | C3C-C4C-NC | 3.83 | 114.86 | 110.57 |
| 11 | 15 | 311 | CLA | C3C-C4C-NC | 3.83 | 114.86 | 110.57 |
| 11 | 8 | 303 | CLA | C3B-C4B-NB | 3.83 | 114.16 | 109.21 |
| 11 | 13 | 304 | CLA | C1D-CHD-C4C | -3.83 | 117.81 | 126.06 |
| 12 | 13 | 310 | KC1 | CHC-C1C-C2C | -3.82 | 119.00 | 124.98 |
| 11 | 7 | 309 | CLA | C3C-C4C-NC | 3.82 | 114.86 | 110.57 |
| 12 | 11 | 311 | KC1 | C4B-C3B-C2B | -3.82 | 103.61 | 106.75 |
| 12 | 13 | 308 | KC1 | C4B-C3B-C2B | -3.82 | 103.61 | 106.75 |
| 11 | 15 | 312 | CLA | C1D-CHD-C4C | -3.82 | 117.82 | 126.06 |
| 11 | 14 | 310 | CLA | C3C-C4C-NC | 3.82 | 114.85 | 110.57 |
| 11 | 6 | 312 | CLA | C1D-CHD-C4C | -3.82 | 117.83 | 126.06 |
| 11 | 6 | 304 | CLA | C3C-C4C-NC | 3.82 | 114.85 | 110.57 |
| 11 | 8 | 308 | CLA | C3C-C4C-NC | 3.82 | 114.85 | 110.57 |
| 11 | 12 | 307 | CLA | C2C-C1C-NC | 3.82 | 113.55 | 109.97 |
| 11 | 6 | 301 | CLA | C1D-CHD-C4C | -3.81 | 117.83 | 126.06 |
| 11 | 15 | 308 | CLA | C3D-C4D-ND | 3.81 | 116.41 | 110.24 |
| 11 | 7 | 310 | CLA | C1C-C2C-C3C | -3.81 | 102.95 | 106.96 |
| 13 | 11 | 312 | DD6 | C35-C36-C31 | -3.81 | 111.92 | 120.57 |
| 11 | 14 | 304 | CLA | C3C-C4C-NC | 3.81 | 114.84 | 110.57 |
| 14 | 15 | 322 | A86 | C9-C10-C11 | -3.81 | 115.41 | 126.61 |
| 11 | 10 | 311 | CLA | C3C-C4C-NC | 3.81 | 114.84 | 110.57 |
| 11 | 11 | 303 | CLA | C3C-C4C-NC | 3.81 | 114.84 | 110.57 |
| 11 | 15 | 309 | CLA | C1D-CHD-C4C | -3.81 | 117.85 | 126.06 |
| 11 | 12 | 312 | CLA | C1D-CHD-C4C | -3.80 | 117.85 | 126.06 |
| 12 | 14 | 311 | KC1 | C2A-C1A-NA | 3.80 | 115.50 | 109.40 |
| 11 | 12 | 304 | CLA | CBA-CAA-C2A | 3.80 | 125.09 | 113.86 |
| 11 | 7 | 311 | CLA | C4A-NA-C1A | -3.80 | 105.00 | 106.71 |
| 13 | 15 | 319 | DD6 | C21-C20-C15 | -3.80 | 115.89 | 122.26 |
| 11 | 13 | 302 | CLA | C1C-C2C-C3C | -3.80 | 102.96 | 106.96 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 8 | 303 | CLA | C1C-C2C-C3C | -3.80 | 102.96 | 106.96 |
| 11 | 16 | 303 | CLA | C1D-CHD-C4C | -3.80 | 117.86 | 126.06 |
| 12 | 8 | 307 | KC1 | C2C-C1C-NC | 3.80 | 114.72 | 110.57 |
| 11 | 6 | 302 | CLA | C1C-C2C-C3C | -3.80 | 102.96 | 106.96 |
| 12 | 10 | 306 | KC1 | C1C-C2C-C3C | -3.80 | 102.96 | 106.96 |
| 11 | 8 | 302 | CLA | C1C-C2C-C3C | -3.79 | 102.97 | 106.96 |
| 11 | 12 | 303 | CLA | C1D-CHD-C4C | -3.79 | 117.87 | 126.06 |
| 14 | 14 | 320 | A86 | C-C1-C2 | -3.79 | 117.61 | 122.92 |
| 11 | 10 | 305 | CLA | C1C-C2C-C3C | -3.79 | 102.97 | 106.96 |
| 11 | 16 | 308 | CLA | C1C-C2C-C3C | -3.79 | 102.97 | 106.96 |
| 11 | 16 | 310 | CLA | O2D-CGD-O1D | -3.79 | 116.43 | 123.84 |
| 12 | 6 | 310 | KC1 | C1C-C2C-C3C | -3.79 | 102.97 | 106.96 |
| 11 | 13 | 309 | CLA | C3D-C4D-ND | 3.79 | 116.37 | 110.24 |
| 12 | 8 | 314 | KC1 | C1C-C2C-C3C | -3.79 | 102.97 | 106.96 |
| 12 | 8 | 313 | KC1 | CAA-CBA-CGA | -3.79 | 107.80 | 127.26 |
| 11 | 6 | 311 | CLA | C1C-C2C-C3C | -3.79 | 102.98 | 106.96 |
| 11 | 12 | 307 | CLA | C3C-C4C-NC | 3.78 | 114.81 | 110.57 |
| 13 | 7 | 317 | DD6 | C35-C36-C31 | -3.78 | 111.98 | 120.57 |
| 11 | 8 | 303 | CLA | C3C-C4C-NC | 3.78 | 114.81 | 110.57 |
| 11 | 6 | 302 | CLA | C1D-CHD-C4C | -3.78 | 117.90 | 126.06 |
| 12 | 13 | 310 | KC1 | C1A-NA-C4A | -3.78 | 105.01 | 106.71 |
| 12 | 13 | 305 | KC1 | C1C-C2C-C3C | -3.78 | 102.99 | 106.96 |
| 12 | 8 | 313 | KC1 | CHC-C1C-C2C | -3.78 | 119.08 | 124.98 |
| 11 | 6 | 303 | CLA | O2A-CGA-CBA | 3.77 | 123.75 | 111.91 |
| 11 | 8 | 308 | CLA | C1C-C2C-C3C | -3.77 | 102.99 | 106.96 |
| 13 | 10 | 313 | DD6 | C3-C4-C5 | -3.77 | 115.75 | 123.47 |
| 11 | 15 | 307 | CLA | C1D-CHD-C4C | -3.77 | 117.93 | 126.06 |
| 11 | 11 | 309 | CLA | C1D-CHD-C4C | -3.77 | 117.93 | 126.06 |
| 11 | 11 | 303 | CLA | C4A-NA-C1A | -3.77 | 105.01 | 106.71 |
| 11 | 12 | 312 | CLA | C1C-C2C-C3C | -3.77 | 103.00 | 106.96 |
| 11 | 6 | 307 | CLA | C3D-C4D-ND | 3.76 | 116.33 | 110.24 |
| 14 | 14 | 320 | A86 | C3-C4-C5 | 3.76 | 131.18 | 123.47 |
| 11 | 7 | 305 | CLA | C3D-C4D-ND | 3.76 | 116.32 | 110.24 |
| 11 | 7 | 311 | CLA | C1C-C2C-C3C | -3.76 | 103.00 | 106.96 |
| 11 | 7 | 308 | CLA | C3C-C4C-NC | 3.76 | 114.79 | 110.57 |
| 11 | 6 | 306 | CLA | C3C-C4C-NC | 3.76 | 114.79 | 110.57 |
| 14 | 7 | 318 | A86 | C9-C10-C11 | -3.76 | 115.56 | 126.61 |
| 11 | 8 | 305 | CLA | C3D-C4D-ND | 3.76 | 116.31 | 110.24 |
| 11 | 13 | 307 | CLA | C3D-C4D-ND | 3.76 | 116.31 | 110.24 |
| 11 | 16 | 307 | CLA | C3C-C4C-NC | 3.76 | 114.78 | 110.57 |
| 13 | 7 | 301 | DD6 | C12-C11-C13 | -3.76 | 112.16 | 118.08 |
| 11 | 6 | 306 | CLA | C1D-CHD-C4C | -3.76 | 117.96 | 126.06 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 7 | 303 | CLA | C3B-C4B-NB | 3.75 | 114.06 | 109.21 |
| 12 | 8 | 312 | KC1 | CHC-C1C-C2C | -3.75 | 119.12 | 124.98 |
| 12 | 13 | 305 | KC1 | C4B-C3B-C2B | -3.75 | 103.67 | 106.75 |
| 11 | 12 | 312 | CLA | C3C-C4C-NC | 3.75 | 114.78 | 110.57 |
| 11 | 15 | 313 | CLA | C3C-C4C-NC | 3.75 | 114.78 | 110.57 |
| 14 | 14 | 314 | A86 | C41-C32-C31 | -3.75 | 107.11 | 110.47 |
| 14 | 7 | 314 | A86 | C40-C32-C31 | -3.75 | 107.12 | 110.47 |
| 11 | 14 | 313 | CLA | C1D-CHD-C4C | -3.75 | 117.97 | 126.06 |
| 11 | 15 | 310 | CLA | C1C-C2C-C3C | -3.75 | 103.02 | 106.96 |
| 13 | 10 | 313 | DD6 | C15-C14-C13 | 3.75 | 133.92 | 125.99 |
| 11 | 16 | 310 | CLA | C1D-CHD-C4C | -3.75 | 117.97 | 126.06 |
| 12 | 10 | 310 | KC1 | CHC-C4B-NB | -3.75 | 121.01 | 124.45 |
| 14 | 15 | 321 | A86 | C36-C31-C32 | -3.74 | 115.98 | 119.70 |
| 11 | 13 | 302 | CLA | C1D-CHD-C4C | -3.74 | 117.99 | 126.06 |
| 12 | 8 | 310 | KC1 | CAA-CBA-CGA | -3.74 | 108.03 | 127.26 |
| 11 | 13 | 303 | CLA | C1C-C2C-C3C | -3.74 | 103.02 | 106.96 |
| 11 | 11 | 308 | CLA | CAC-C3C-C4C | 3.74 | 129.66 | 124.81 |
| 14 | 12 | 314 | A86 | C40-C32-C31 | -3.74 | 107.13 | 110.47 |
| 13 | 10 | 313 | DD6 | C14-C13-C11 | 3.74 | 131.33 | 125.53 |
| 12 | 11 | 304 | KC1 | C1C-C2C-C3C | -3.74 | 103.03 | 106.96 |
| 14 | 15 | 320 | A86 | C35-C34-C33 | 3.74 | 116.39 | 109.88 |
| 11 | 15 | 310 | CLA | C1D-CHD-C4C | -3.74 | 118.00 | 126.06 |
| 11 | 15 | 311 | CLA | C4A-NA-C1A | -3.73 | 105.03 | 106.71 |
| 11 | 10 | 309 | CLA | C3C-C4C-NC | 3.73 | 114.76 | 110.57 |
| 11 | 6 | 304 | CLA | C1D-CHD-C4C | -3.73 | 118.01 | 126.06 |
| 11 | 14 | 313 | CLA | C3C-C4C-NC | 3.73 | 114.75 | 110.57 |
| 13 | 6 | 318 | DD6 | C21-C20-C15 | -3.73 | 116.01 | 122.26 |
| 11 | 10 | 304 | CLA | C1D-CHD-C4C | -3.73 | 118.02 | 126.06 |
| 11 | 13 | 303 | CLA | C1D-CHD-C4C | -3.73 | 118.02 | 126.06 |
| 11 | 11 | 309 | CLA | C1C-C2C-C3C | -3.73 | 103.04 | 106.96 |
| 11 | 16 | 310 | CLA | C1C-C2C-C3C | -3.73 | 103.04 | 106.96 |
| 12 | 6 | 310 | KC1 | C4B-C3B-C2B | -3.72 | 103.69 | 106.75 |
| 12 | 14 | 306 | KC1 | C4C-C3C-C2C | -3.72 | 101.47 | 106.90 |
| 12 | 8 | 314 | KC1 | CMA-C3A-C2A | -3.72 | 119.19 | 128.30 |
| 11 | 6 | 313 | CLA | C1D-CHD-C4C | -3.72 | 118.04 | 126.06 |
| 11 | 12 | 307 | CLA | CMB-C2B-C3B | 3.72 | 131.63 | 124.68 |
| 12 | 11 | 310 | KC1 | C1C-C2C-C3C | -3.72 | 103.05 | 106.96 |
| 11 | 16 | 308 | CLA | C3C-C4C-NC | 3.72 | 114.74 | 110.57 |
| 13 | 10 | 313 | DD6 | C37-C36-C35 | -3.72 | 107.47 | 114.36 |
| 12 | 12 | 309 | KC1 | C1C-C2C-C3C | -3.71 | 103.05 | 106.96 |
| 11 | 10 | 309 | CLA | C1D-CHD-C4C | -3.71 | 118.05 | 126.06 |
| 11 | 7 | 310 | CLA | C1D-CHD-C4C | -3.71 | 118.05 | 126.06 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 7 | 307 | KC1 | CBA-CAA-C2A | -3.71 | 111.12 | 125.27 |
| 11 | 13 | 307 | CLA | C1D-CHD-C4C | -3.71 | 118.05 | 126.06 |
| 13 | 7 | 313 | DD6 | C7-C6-C8 | -3.71 | 112.24 | 118.08 |
| 12 | 8 | 306 | KC1 | C1A-NA-C4A | -3.71 | 105.04 | 106.71 |
| 12 | 6 | 305 | KC1 | CHC-C1C-C2C | -3.70 | 119.19 | 124.98 |
| 11 | 12 | 302 | CLA | C4A-NA-C1A | -3.70 | 105.04 | 106.71 |
| 12 | 8 | 312 | KC1 | C1A-NA-C4A | -3.70 | 105.04 | 106.71 |
| 11 | 7 | 309 | CLA | C1C-C2C-C3C | -3.70 | 103.06 | 106.96 |
| 11 | 12 | 304 | CLA | C1D-CHD-C4C | -3.70 | 118.07 | 126.06 |
| 13 | 16 | 313 | DD6 | C23-C16-C17 | -3.70 | 102.55 | 108.98 |
| 14 | 11 | 315 | A86 | C3-C4-C5 | -3.70 | 115.90 | 123.47 |
| 11 | 8 | 303 | CLA | C1D-CHD-C4C | -3.70 | 118.08 | 126.06 |
| 11 | 8 | 301 | CLA | C1-C2-C3 | -3.70 | 119.65 | 126.04 |
| 12 | 16 | 304 | KC1 | C4B-C3B-C2B | -3.70 | 103.72 | 106.75 |
| 12 | 7 | 312 | KC1 | CAA-C2A-C1A | -3.69 | 107.77 | 124.75 |
| 14 | 11 | 314 | A86 | C3-C2-C1 | -3.69 | 122.04 | 127.31 |
| 11 | 6 | 314 | CLA | C3C-C4C-NC | 3.69 | 114.71 | 110.57 |
| 11 | 8 | 301 | CLA | C3B-C4B-NB | 3.69 | 113.98 | 109.21 |
| 12 | 11 | 306 | KC1 | C1C-C2C-C3C | -3.69 | 103.08 | 106.96 |
| 11 | 6 | 307 | CLA | C3C-C4C-NC | 3.69 | 114.71 | 110.57 |
| 12 | 13 | 305 | KC1 | C1A-NA-C4A | -3.69 | 105.05 | 106.71 |
| 13 | 7 | 301 | DD6 | C35-C36-C31 | -3.69 | 112.20 | 120.57 |
| 11 | 8 | 304 | CLA | CAA-C2A-C1A | -3.69 | 99.90 | 111.97 |
| 14 | 14 | 320 | A86 | C8-C6-C5 | -3.68 | 113.29 | 118.94 |
| 11 | 7 | 310 | CLA | C3C-C4C-NC | 3.68 | 114.70 | 110.57 |
| 11 | 8 | 305 | CLA | CMB-C2B-C3B | 3.68 | 131.57 | 124.68 |
| 11 | 6 | 313 | CLA | CMB-C2B-C3B | 3.68 | 131.57 | 124.68 |
| 11 | 15 | 306 | CLA | O2D-CGD-O1D | -3.68 | 116.64 | 123.84 |
| 14 | 14 | 317 | A86 | C3-C2-C1 | -3.68 | 122.06 | 127.31 |
| 11 | 8 | 304 | CLA | C3C-C4C-NC | 3.68 | 114.70 | 110.57 |
| 11 | 14 | 312 | CLA | C1D-CHD-C4C | -3.68 | 118.12 | 126.06 |
| 13 | 15 | 318 | DD6 | C21-C20-C15 | -3.68 | 116.10 | 122.26 |
| 12 | 6 | 305 | KC1 | C2C-C1C-NC | 3.68 | 114.59 | 110.57 |
| 13 | 15 | 319 | DD6 | C37-C36-C35 | -3.68 | 107.54 | 114.36 |
| 11 | 14 | 303 | CLA | C1D-CHD-C4C | -3.68 | 118.13 | 126.06 |
| 11 | 16 | 307 | CLA | C1C-C2C-C3C | -3.67 | 103.09 | 106.96 |
| 11 | 6 | 307 | CLA | C1D-CHD-C4C | -3.67 | 118.13 | 126.06 |
| 11 | 14 | 305 | CLA | C1C-C2C-C3C | -3.67 | 103.09 | 106.96 |
| 12 | 14 | 311 | KC1 | C1C-C2C-C3C | -3.67 | 103.09 | 106.96 |
| 12 | 8 | 310 | KC1 | C4C-C3C-C2C | -3.67 | 101.55 | 106.90 |
| 14 | 14 | 314 | A86 | C10-C9-C8 | -3.67 | 111.76 | 123.22 |
| 11 | 12 | 302 | CLA | O2A-CGA-CBA | 3.67 | 123.43 | 111.91 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 11 | 309 | CLA | C3C-C4C-NC | 3.67 | 114.69 | 110.57 |
| 14 | 8 | 318 | A86 | C35-C34-C33 | 3.67 | 116.28 | 109.88 |
| 11 | 12 | 310 | CLA | C1C-C2C-C3C | -3.67 | 103.10 | 106.96 |
| 12 | 16 | 304 | KC1 | C1C-C2C-C3C | -3.67 | 103.10 | 106.96 |
| 11 | 7 | 304 | CLA | C3C-C4C-NC | 3.67 | 114.68 | 110.57 |
| 11 | 7 | 303 | CLA | C3C-C4C-NC | 3.67 | 114.68 | 110.57 |
| 11 | 6 | 306 | CLA | O2A-CGA-CBA | 3.67 | 123.41 | 111.91 |
| 11 | 7 | 303 | CLA | C1D-CHD-C4C | -3.67 | 118.15 | 126.06 |
| 13 | 15 | 319 | DD6 | C23-C16-C15 | 3.67 | 119.94 | 110.05 |
| 11 | 8 | 309 | CLA | C4A-NA-C1A | -3.67 | 105.06 | 106.71 |
| 11 | 10 | 303 | CLA | C4A-NA-C1A | -3.67 | 105.06 | 106.71 |
| 11 | 15 | 310 | CLA | CMB-C2B-C3B | 3.66 | 131.53 | 124.68 |
| 11 | 10 | 305 | CLA | C1D-CHD-C4C | -3.66 | 118.16 | 126.06 |
| 11 | 8 | 309 | CLA | C3C-C4C-NC | 3.66 | 114.68 | 110.57 |
| 11 | 7 | 309 | CLA | C1D-CHD-C4C | -3.66 | 118.16 | 126.06 |
| 11 | 8 | 302 | CLA | C1D-CHD-C4C | -3.66 | 118.16 | 126.06 |
| 14 | 11 | 314 | A86 | C36-C31-C32 | -3.66 | 116.06 | 119.70 |
| 12 | 13 | 305 | KC1 | C2A-C1A-NA | 3.66 | 115.27 | 109.40 |
| 12 | 6 | 309 | KC1 | C2C-C1C-NC | 3.66 | 114.56 | 110.57 |
| 11 | 14 | 310 | CLA | C4A-NA-C1A | -3.65 | 105.06 | 106.71 |
| 11 | 6 | 312 | CLA | C3C-C4C-NC | 3.65 | 114.67 | 110.57 |
| 11 | 15 | 313 | CLA | C1C-C2C-C3C | -3.65 | 103.12 | 106.96 |
| 11 | 12 | 303 | CLA | C3B-C4B-NB | 3.65 | 113.93 | 109.21 |
| 12 | 10 | 306 | KC1 | C4B-C3B-C2B | -3.65 | 103.75 | 106.75 |
| 12 | 8 | 314 | KC1 | C1A-NA-C4A | -3.65 | 105.06 | 106.71 |
| 11 | 14 | 302 | CLA | C1D-CHD-C4C | -3.65 | 118.19 | 126.06 |
| 12 | 7 | 312 | KC1 | C2C-C1C-NC | 3.65 | 114.56 | 110.57 |
| 11 | 7 | 302 | CLA | C1D-CHD-C4C | -3.65 | 118.19 | 126.06 |
| 11 | 14 | 309 | CLA | C3C-C4C-NC | 3.65 | 114.66 | 110.57 |
| 11 | 15 | 309 | CLA | C3C-C4C-NC | 3.65 | 114.66 | 110.57 |
| 11 | 15 | 305 | CLA | C1C-C2C-C3C | -3.64 | 103.12 | 106.96 |
| 12 | 13 | 312 | KC1 | CAA-CBA-CGA | -3.64 | 108.54 | 127.26 |
| 12 | 10 | 312 | KC1 | C1C-C2C-C3C | -3.64 | 103.13 | 106.96 |
| 11 | 8 | 308 | CLA | C1D-CHD-C4C | -3.64 | 118.20 | 126.06 |
| 11 | 8 | 303 | CLA | CAA-C2A-C3A | -3.64 | 102.81 | 112.78 |
| 11 | 12 | 303 | CLA | O2D-CGD-CBD | 3.64 | 117.73 | 111.27 |
| 12 | 8 | 314 | KC1 | C4B-C3B-C2B | -3.64 | 103.77 | 106.75 |
| 14 | 7 | 315 | A86 | C8-C6-C5 | -3.64 | 113.36 | 118.94 |
| 11 | 15 | 309 | CLA | O2D-CGD-CBD | 3.63 | 117.72 | 111.27 |
| 11 | 15 | 305 | CLA | C1D-CHD-C4C | -3.63 | 118.22 | 126.06 |
| 12 | 14 | 306 | KC1 | CBA-CAA-C2A | -3.63 | 111.42 | 125.27 |
| 12 | 8 | 307 | KC1 | C1C-C2C-C3C | -3.63 | 103.14 | 106.96 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 13 | 15 | 318 | DD6 | C37-C36-C35 | -3.63 | 107.63 | 114.36 |
| 13 | 11 | 312 | DD6 | C13-C11-C10 | -3.63 | 113.37 | 118.94 |
| 11 | 16 | 305 | CLA | CAA-C2A-C3A | -3.63 | 102.85 | 112.78 |
| 11 | 11 | 308 | CLA | O2A-CGA-CBA | 3.63 | 123.29 | 111.91 |
| 11 | 10 | 304 | CLA | C1C-C2C-C3C | -3.63 | 103.14 | 106.96 |
| 13 | 8 | 316 | DD6 | C21-C20-C19 | -3.62 | 110.20 | 114.28 |
| 11 | 7 | 304 | CLA | C1C-C2C-C3C | -3.62 | 103.15 | 106.96 |
| 12 | 8 | 310 | KC1 | C4B-C3B-C2B | -3.62 | 103.78 | 106.75 |
| 11 | 15 | 302 | CLA | C3C-C4C-NC | 3.62 | 114.63 | 110.57 |
| 11 | 12 | 308 | CLA | C1C-C2C-C3C | -3.62 | 103.15 | 106.96 |
| 14 | 15 | 321 | A86 | C41-C32-C31 | -3.62 | 107.23 | 110.47 |
| 14 | 11 | 315 | A86 | C36-C31-C32 | -3.61 | 116.11 | 119.70 |
| 11 | 7 | 306 | CLA | C3C-C4C-NC | 3.61 | 114.62 | 110.57 |
| 11 | 10 | 305 | CLA | C3C-C4C-NC | 3.61 | 114.62 | 110.57 |
| 11 | 16 | 310 | CLA | CED-O2D-CGD | 3.61 | 124.09 | 115.94 |
| 11 | 10 | 308 | CLA | C1D-CHD-C4C | -3.61 | 118.28 | 126.06 |
| 12 | 8 | 311 | KC1 | C4B-C3B-C2B | -3.60 | 103.79 | 106.75 |
| 11 | 8 | 301 | CLA | C4A-NA-C1A | -3.60 | 105.09 | 106.71 |
| 11 | 14 | 303 | CLA | C1C-C2C-C3C | -3.60 | 103.17 | 106.96 |
| 12 | 8 | 312 | KC1 | C1C-C2C-C3C | -3.60 | 103.17 | 106.96 |
| 13 | 6 | 315 | DD6 | C15-C14-C13 | -3.60 | 118.38 | 125.99 |
| 14 | 11 | 313 | A86 | C4-C3-C2 | -3.60 | 116.10 | 123.47 |
| 14 | 15 | 322 | A86 | C24-C1-C2 | 3.60 | 124.46 | 118.94 |
| 12 | 6 | 309 | KC1 | CHC-C1C-C2C | -3.59 | 119.37 | 124.98 |
| 11 | 10 | 307 | CLA | C3D-C4D-ND | 3.59 | 116.05 | 110.24 |
| 13 | 6 | 318 | DD6 | C21-C20-C19 | -3.59 | 110.24 | 114.28 |
| 11 | 10 | 309 | CLA | C1C-C2C-C3C | -3.59 | 103.18 | 106.96 |
| 12 | 14 | 308 | KC1 | C4C-C3C-C2C | -3.58 | 101.67 | 106.90 |
| 11 | 10 | 303 | CLA | C3B-C4B-NB | 3.58 | 113.84 | 109.21 |
| 12 | 11 | 306 | KC1 | C4B-C3B-C2B | -3.58 | 103.81 | 106.75 |
| 11 | 6 | 303 | CLA | C4A-NA-C1A | -3.58 | 105.10 | 106.71 |
| 13 | 7 | 313 | DD6 | C22-C16-C15 | 3.58 | 119.71 | 110.05 |
| 11 | 12 | 304 | CLA | C1C-C2C-C3C | -3.58 | 103.19 | 106.96 |
| 11 | 15 | 308 | CLA | C4C-C3C-C2C | -3.58 | 101.68 | 106.90 |
| 11 | 6 | 303 | CLA | C1D-CHD-C4C | -3.58 | 118.34 | 126.06 |
| 13 | 7 | 316 | DD6 | C37-C36-C35 | -3.57 | 107.73 | 114.36 |
| 11 | 13 | 303 | CLA | CAA-C2A-C3A | -3.57 | 102.99 | 112.78 |
| 11 | 14 | 303 | CLA | CAA-C2A-C3A | -3.57 | 103.00 | 112.78 |
| 13 | 7 | 317 | DD6 | C21-C20-C19 | -3.57 | 110.26 | 114.28 |
| 14 | 14 | 317 | A86 | C4-C3-C2 | -3.57 | 116.16 | 123.47 |
| 11 | 14 | 304 | CLA | C1C-C2C-C3C | -3.57 | 103.20 | 106.96 |
| 11 | 6 | 302 | CLA | C3C-C4C-NC | 3.57 | 114.57 | 110.57 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 13 | 12 | 317 | DD6 | O1-C20-C21 | -3.57 | 110.78 | 115.06 |
| 11 | 11 | 307 | CLA | C1C-C2C-C3C | -3.57 | 103.21 | 106.96 |
| 13 | 12 | 315 | DD6 | C21-C20-C15 | -3.56 | 116.29 | 122.26 |
| 11 | 7 | 311 | CLA | C3C-C4C-NC | 3.56 | 114.56 | 110.57 |
| 12 | 14 | 306 | KC1 | CAB-C3B-C4B | 3.56 | 133.50 | 124.90 |
| 11 | 11 | 308 | CLA | C3C-C4C-NC | 3.56 | 114.56 | 110.57 |
| 15 | 6 | 319 | LHG | O8-C23-C24 | 3.56 | 120.71 | 111.38 |
| 11 | 15 | 302 | CLA | O2D-CGD-O1D | -3.56 | 116.88 | 123.84 |
| 11 | 15 | 306 | CLA | C3B-C4B-NB | 3.56 | 113.81 | 109.21 |
| 11 | 11 | 308 | CLA | C1D-CHD-C4C | -3.55 | 118.39 | 126.06 |
| 11 | 6 | 313 | CLA | C3C-C4C-NC | 3.55 | 114.56 | 110.57 |
| 14 | 14 | 320 | A86 | C9-C10-C11 | -3.55 | 116.16 | 126.61 |
| 13 | 8 | 316 | DD6 | C7-C6-C8 | -3.55 | 112.48 | 118.08 |
| 14 | 8 | 315 | A86 | C4-C3-C2 | -3.55 | 116.20 | 123.47 |
| 14 | 10 | 301 | A86 | C10-C9-C8 | -3.55 | 112.13 | 123.22 |
| 11 | 6 | 304 | CLA | C1C-C2C-C3C | -3.55 | 103.22 | 106.96 |
| 11 | 13 | 301 | CLA | CAC-C3C-C4C | 3.55 | 129.42 | 124.81 |
| 11 | 16 | 301 | CLA | C4A-NA-C1A | -3.55 | 105.11 | 106.71 |
| 11 | 12 | 312 | CLA | CAA-C2A-C3A | -3.55 | 103.06 | 112.78 |
| 13 | 12 | 315 | DD6 | C35-C36-C31 | -3.54 | 112.53 | 120.57 |
| 12 | 6 | 309 | KC1 | C1C-C2C-C3C | -3.54 | 103.23 | 106.96 |
| 14 | 8 | 315 | A86 | C8-C6-C5 | -3.54 | 113.51 | 118.94 |
| 11 | 10 | 303 | CLA | C1C-C2C-C3C | -3.54 | 103.24 | 106.96 |
| 11 | 11 | 305 | CLA | C1D-CHD-C4C | -3.54 | 118.43 | 126.06 |
| 11 | 11 | 305 | CLA | C3C-C4C-NC | 3.53 | 114.53 | 110.57 |
| 12 | 14 | 311 | KC1 | CMB-C2B-C1B | 3.53 | 130.94 | 124.71 |
| 12 | 8 | 312 | KC1 | C4B-C3B-C2B | -3.53 | 103.85 | 106.75 |
| 14 | 10 | 301 | A86 | O-C13-C11 | -3.53 | 113.35 | 121.15 |
| 11 | 10 | 303 | CLA | CMB-C2B-C3B | 3.53 | 131.28 | 124.68 |
| 11 | 15 | 304 | CLA | C1C-C2C-C3C | -3.53 | 103.25 | 106.96 |
| 13 | 16 | 313 | DD6 | O1-C20-C21 | -3.52 | 110.83 | 115.06 |
| 13 | 6 | 316 | DD6 | C23-C16-C22 | -3.52 | 102.17 | 107.37 |
| 12 | 10 | 306 | KC1 | CAA-CBA-CGA | -3.52 | 109.16 | 127.26 |
| 11 | 7 | 303 | CLA | CAA-C2A-C3A | -3.52 | 103.13 | 112.78 |
| 11 | 12 | 321 | CLA | C1C-C2C-C3C | -3.52 | 103.25 | 106.96 |
| 14 | 14 | 319 | A86 | C34-O4-C38 | -3.52 | 111.34 | 117.90 |
| 12 | 12 | 311 | KC1 | C1C-C2C-C3C | -3.52 | 103.26 | 106.96 |
| 11 | 6 | 302 | CLA | CMB-C2B-C3B | 3.52 | 131.26 | 124.68 |
| 14 | 13 | 313 | A86 | C7-C6-C5 | -3.52 | 118.00 | 122.92 |
| 11 | 13 | 301 | CLA | C1-C2-C3 | -3.52 | 119.96 | 126.04 |
| 11 | 10 | 307 | CLA | C1C-C2C-C3C | -3.52 | 103.26 | 106.96 |
| 14 | 14 | 314 | A86 | C7-C6-C5 | -3.51 | 118.00 | 122.92 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 10 | 308 | CLA | C3C-C4C-NC | 3.51 | 114.51 | 110.57 |
| 11 | 7 | 310 | CLA | CAC-C3C-C4C | 3.51 | 129.36 | 124.81 |
| 13 | 13 | 314 | DD6 | C21-C20-C15 | -3.50 | 116.39 | 122.26 |
| 13 | 10 | 313 | DD6 | C21-C20-C15 | -3.50 | 116.39 | 122.26 |
| 11 | 14 | 313 | CLA | C1C-C2C-C3C | -3.50 | 103.27 | 106.96 |
| 11 | 12 | 304 | CLA | C3C-C4C-NC | 3.50 | 114.50 | 110.57 |
| 11 | 14 | 305 | CLA | C1D-CHD-C4C | -3.50 | 118.50 | 126.06 |
| 12 | 11 | 304 | KC1 | CBA-CAA-C2A | -3.50 | 111.92 | 125.27 |
| 12 | 11 | 304 | KC1 | CAA-CBA-CGA | -3.50 | 109.28 | 127.26 |
| 14 | 14 | 315 | A86 | C25-C26-C27 | -3.50 | 122.32 | 127.31 |
| 14 | 14 | 321 | A86 | C9-C10-C11 | -3.50 | 116.33 | 126.61 |
| 11 | 6 | 301 | CLA | CBC-CAC-C3C | -3.49 | 102.80 | 112.43 |
| 11 | 16 | 306 | CLA | CMB-C2B-C3B | 3.49 | 131.22 | 124.68 |
| 13 | 6 | 315 | DD6 | C25-C24-C1 | -3.49 | 116.61 | 126.42 |
| 11 | 15 | 308 | CLA | C1D-CHD-C4C | -3.49 | 118.53 | 126.06 |
| 11 | 7 | 311 | CLA | C3B-C4B-NB | 3.49 | 113.72 | 109.21 |
| 14 | 8 | 315 | A86 | C36-C31-C32 | -3.48 | 116.24 | 119.70 |
| 11 | 6 | 311 | CLA | C3B-C4B-NB | 3.48 | 113.71 | 109.21 |
| 11 | 7 | 304 | CLA | C1D-CHD-C4C | -3.48 | 118.56 | 126.06 |
| 12 | 12 | 309 | KC1 | C4B-C3B-C2B | -3.48 | 103.90 | 106.75 |
| 12 | 6 | 305 | KC1 | C4B-C3B-C2B | -3.47 | 103.90 | 106.75 |
| 11 | 14 | 303 | CLA | C3C-C4C-NC | 3.47 | 114.47 | 110.57 |
| 11 | 8 | 304 | CLA | C4-C3-C5 | 3.47 | 121.11 | 115.27 |
| 11 | 16 | 301 | CLA | C1C-C2C-C3C | -3.47 | 103.31 | 106.96 |
| 11 | 8 | 304 | CLA | C4A-NA-C1A | -3.47 | 105.15 | 106.71 |
| 11 | 15 | 305 | CLA | CAC-C3C-C4C | 3.47 | 129.31 | 124.81 |
| 11 | 7 | 309 | CLA | C3B-C4B-NB | 3.47 | 113.69 | 109.21 |
| 12 | 14 | 306 | KC1 | CHC-C4B-NB | -3.47 | 121.27 | 124.45 |
| 14 | 11 | 313 | A86 | C10-C9-C8 | -3.46 | 112.41 | 123.22 |
| 11 | 13 | 309 | CLA | C3B-C4B-NB | 3.46 | 113.69 | 109.21 |
| 12 | 16 | 311 | KC1 | C4B-C3B-C2B | -3.46 | 103.91 | 106.75 |
| 11 | 8 | 309 | CLA | O2D-CGD-O1D | -3.46 | 117.07 | 123.84 |
| 12 | 8 | 313 | KC1 | C4C-C3C-C2C | -3.46 | 101.86 | 106.90 |
| 14 | 7 | 318 | A86 | C3-C4-C5 | -3.46 | 116.39 | 123.47 |
| 12 | 14 | 308 | KC1 | C1C-C2C-C3C | -3.45 | 103.33 | 106.96 |
| 12 | 6 | 310 | KC1 | CAA-C2A-C1A | -3.45 | 108.88 | 124.75 |
| 11 | 14 | 312 | CLA | C1C-C2C-C3C | -3.45 | 103.33 | 106.96 |
| 13 | 8 | 317 | DD6 | C21-C20-C19 | -3.45 | 110.40 | 114.28 |
| 12 | 10 | 312 | KC1 | CAA-CBA-CGA | -3.45 | 109.53 | 127.26 |
| 12 | 10 | 312 | KC1 | CBA-CAA-C2A | -3.45 | 112.12 | 125.27 |
| 12 | 8 | 311 | KC1 | C1C-C2C-C3C | -3.45 | 103.33 | 106.96 |
| 13 | 11 | 312 | DD6 | C37-C36-C35 | -3.45 | 107.97 | 114.36 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 13 | 6 | 318 | DD6 | C33-C32-C31 | 3.45 | 116.61 | 109.62 |
| 12 | 8 | 310 | KC1 | C1A-NA-C4A | -3.44 | 105.16 | 106.71 |
| 12 | 13 | 306 | KC1 | C2C-C1C-NC | 3.44 | 114.33 | 110.57 |
| 11 | 12 | 302 | CLA | CAA-C2A-C1A | -3.44 | 100.71 | 111.97 |
| 12 | 14 | 311 | KC1 | C4B-C3B-C2B | -3.44 | 103.93 | 106.75 |
| 11 | 15 | 309 | CLA | C1C-C2C-C3C | -3.44 | 103.34 | 106.96 |
| 11 | 11 | 307 | CLA | C3C-C4C-NC | 3.43 | 114.42 | 110.57 |
| 11 | 15 | 305 | CLA | C3B-C4B-NB | 3.43 | 113.65 | 109.21 |
| 12 | 8 | 310 | KC1 | C2C-C1C-NC | 3.43 | 114.32 | 110.57 |
| 13 | 6 | 318 | DD6 | C15-C14-C13 | -3.43 | 118.74 | 125.99 |
| 14 | 7 | 318 | A86 | C3-C2-C1 | -3.43 | 122.42 | 127.31 |
| 11 | 14 | 307 | CLA | C1D-CHD-C4C | -3.43 | 118.67 | 126.06 |
| 12 | 12 | 311 | KC1 | CAC-C3C-C4C | 3.43 | 129.26 | 124.81 |
| 12 | 13 | 311 | KC1 | CAA-CBA-CGA | -3.42 | 109.67 | 127.26 |
| 11 | 16 | 303 | CLA | C1C-C2C-C3C | -3.42 | 103.36 | 106.96 |
| 11 | 7 | 305 | CLA | C4A-NA-C1A | -3.42 | 105.17 | 106.71 |
| 11 | 11 | 308 | CLA | CMB-C2B-C3B | 3.42 | 131.07 | 124.68 |
| 11 | 16 | 302 | CLA | C1C-C2C-C3C | -3.42 | 103.36 | 106.96 |
| 11 | 12 | 321 | CLA | C3B-C4B-NB | 3.42 | 113.63 | 109.21 |
| 11 | 15 | 308 | CLA | O2A-CGA-CBA | 3.41 | 125.00 | 114.03 |
| 11 | 13 | 303 | CLA | C3C-C4C-NC | 3.41 | 114.39 | 110.57 |
| 11 | 8 | 309 | CLA | C3B-C4B-NB | 3.41 | 113.62 | 109.21 |
| 14 | 10 | 316 | A86 | C20-C19-C18 | -3.41 | 106.01 | 112.75 |
| 11 | 12 | 321 | CLA | C3C-C4C-NC | 3.40 | 114.39 | 110.57 |
| 11 | 6 | 302 | CLA | C3B-C4B-NB | 3.40 | 113.61 | 109.21 |
| 14 | 14 | 314 | A86 | C40-C32-C31 | -3.40 | 107.43 | 110.47 |
| 11 | 16 | 308 | CLA | CAC-C3C-C4C | 3.40 | 129.22 | 124.81 |
| 11 | 6 | 303 | CLA | C1C-C2C-C3C | -3.40 | 103.38 | 106.96 |
| 14 | 13 | 315 | A86 | C41-C32-C31 | -3.39 | 107.43 | 110.47 |
| 12 | 6 | 309 | KC1 | CAA-CBA-CGA | -3.39 | 109.82 | 127.26 |
| 12 | 6 | 305 | KC1 | CAA-CBA-CGA | -3.39 | 109.83 | 127.26 |
| 12 | 12 | 309 | KC1 | C1A-NA-C4A | -3.39 | 105.18 | 106.71 |
| 12 | 12 | 313 | KC1 | C4B-C3B-C2B | -3.39 | 103.97 | 106.75 |
| 11 | 14 | 302 | CLA | C3C-C4C-NC | 3.39 | 114.37 | 110.57 |
| 14 | 7 | 315 | A86 | C36-C31-C32 | -3.38 | 116.34 | 119.70 |
| 11 | 14 | 307 | CLA | C1C-C2C-C3C | -3.38 | 103.40 | 106.96 |
| 13 | 10 | 314 | DD6 | C35-C36-C31 | -3.38 | 112.89 | 120.57 |
| 12 | 10 | 310 | KC1 | CAA-CBA-CGA | -3.38 | 109.87 | 127.26 |
| 11 | 6 | 301 | CLA | C3C-C4C-NC | 3.38 | 114.36 | 110.57 |
| 14 | 8 | 315 | A86 | C7-C6-C8 | 3.38 | 123.40 | 118.08 |
| 11 | 6 | 312 | CLA | C3B-C4B-NB | 3.38 | 113.58 | 109.21 |
| 11 | 7 | 310 | CLA | C3B-C4B-NB | 3.37 | 113.57 | 109.21 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 15 | 302 | CLA | CMB-C2B-C3B | 3.37 | 130.99 | 124.68 |
| 11 | 16 | 309 | CLA | C3B-C4B-NB | 3.37 | 113.57 | 109.21 |
| 14 | 10 | 317 | A86 | C40-C32-C31 | -3.37 | 107.46 | 110.47 |
| 11 | 8 | 305 | CLA | C4C-C3C-C2C | -3.37 | 101.99 | 106.90 |
| 11 | 12 | 321 | CLA | O2D-CGD-CBD | 3.37 | 117.25 | 111.27 |
| 11 | 15 | 311 | CLA | C3B-C4B-NB | 3.36 | 113.56 | 109.21 |
| 11 | 15 | 304 | CLA | C4C-C3C-C2C | -3.36 | 102.00 | 106.90 |
| 11 | 6 | 311 | CLA | C3C-C4C-NC | 3.36 | 114.34 | 110.57 |
| 11 | 11 | 305 | CLA | C1C-C2C-C3C | -3.35 | 103.43 | 106.96 |
| 13 | 10 | 314 | DD6 | C12-C11-C13 | -3.35 | 112.80 | 118.08 |
| 13 | 7 | 317 | DD6 | O1-C20-C21 | -3.35 | 111.04 | 115.06 |
| 11 | 12 | 304 | CLA | C3B-C4B-NB | 3.35 | 113.54 | 109.21 |
| 11 | 15 | 303 | CLA | O2A-CGA-CBA | 3.35 | 122.42 | 111.91 |
| 11 | 15 | 302 | CLA | C1C-C2C-C3C | -3.35 | 103.44 | 106.96 |
| 11 | 10 | 311 | CLA | C3B-C4B-NB | 3.35 | 113.54 | 109.21 |
| 11 | 6 | 306 | CLA | C1C-C2C-C3C | -3.35 | 103.44 | 106.96 |
| 11 | 8 | 304 | CLA | C1C-C2C-C3C | -3.35 | 103.44 | 106.96 |
| 11 | 14 | 302 | CLA | C1C-C2C-C3C | -3.34 | 103.44 | 106.96 |
| 13 | 13 | 314 | DD6 | O1-C20-C21 | -3.34 | 111.05 | 115.06 |
| 11 | 12 | 302 | CLA | C3B-C4B-NB | 3.34 | 113.52 | 109.21 |
| 11 | 10 | 304 | CLA | C3B-C4B-NB | 3.34 | 113.52 | 109.21 |
| 11 | 16 | 310 | CLA | CAA-C2A-C3A | -3.34 | 103.64 | 112.78 |
| 11 | 7 | 303 | CLA | O2D-CGD-CBD | 3.34 | 117.19 | 111.27 |
| 11 | 16 | 305 | CLA | C3B-C4B-NB | 3.34 | 113.52 | 109.21 |
| 12 | 12 | 305 | KC1 | CBA-CAA-C2A | -3.34 | 112.56 | 125.27 |
| 11 | 8 | 304 | CLA | C3B-C4B-NB | 3.33 | 113.52 | 109.21 |
| 12 | 6 | 310 | KC1 | CBA-CAA-C2A | -3.33 | 112.56 | 125.27 |
| 11 | 7 | 302 | CLA | CMC-C2C-C1C | 3.33 | 130.11 | 125.04 |
| 14 | 11 | 315 | A86 | C10-C9-C8 | -3.33 | 112.83 | 123.22 |
| 11 | 10 | 303 | CLA | C1-C2-C3 | -3.33 | 120.29 | 126.04 |
| 11 | 13 | 301 | CLA | C1C-C2C-C3C | -3.32 | 103.46 | 106.96 |
| 14 | 14 | 301 | A86 | C10-C9-C8 | -3.32 | 112.86 | 123.22 |
| 16 | 8 | 321 | LMG | O7-C10-O9 | -3.32 | 115.68 | 123.70 |
| 11 | 14 | 310 | CLA | C3B-C4B-NB | 3.32 | 113.50 | 109.21 |
| 13 | 15 | 319 | DD6 | C33-C34-C35 | 3.32 | 114.84 | 110.30 |
| 11 | 6 | 307 | CLA | C3B-C4B-NB | 3.32 | 113.50 | 109.21 |
| 11 | 15 | 303 | CLA | C4-C3-C5 | 3.32 | 120.85 | 115.27 |
| 11 | 16 | 306 | CLA | C4C-C3C-C2C | -3.32 | 102.06 | 106.90 |
| 13 | 13 | 314 | DD6 | C23-C16-C17 | -3.31 | 103.22 | 108.98 |
| 11 | 10 | 305 | CLA | C3B-C4B-NB | 3.31 | 113.49 | 109.21 |
| 14 | 11 | 313 | A86 | C36-C31-C32 | -3.31 | 116.41 | 119.70 |
| 12 | 13 | 306 | KC1 | C4C-C3C-C2C | -3.30 | 102.08 | 106.90 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 13 | 7 | 301 | DD6 | C37-C36-C35 | -3.30 | 108.23 | 114.36 |
| 11 | 6 | 313 | CLA | CHC-C1C-C2C | -3.30 | 117.58 | 126.72 |
| 11 | 15 | 312 | CLA | CBC-CAC-C3C | -3.30 | 103.32 | 112.43 |
| 11 | 14 | 307 | CLA | C4C-C3C-C2C | -3.30 | 102.08 | 106.90 |
| 11 | 10 | 311 | CLA | C1C-C2C-C3C | -3.30 | 103.48 | 106.96 |
| 11 | 14 | 309 | CLA | CHC-C1C-C2C | -3.30 | 117.59 | 126.72 |
| 14 | 14 | 320 | A86 | C24-C1-C2 | 3.30 | 124.00 | 118.94 |
| 11 | 11 | 303 | CLA | C1C-C2C-C3C | -3.30 | 103.49 | 106.96 |
| 12 | 13 | 310 | KC1 | C4B-C3B-C2B | -3.29 | 104.05 | 106.75 |
| 12 | 8 | 313 | KC1 | CAA-C2A-C1A | -3.29 | 109.61 | 124.75 |
| 11 | 15 | 309 | CLA | C3B-C4B-NB | 3.29 | 113.47 | 109.21 |
| 13 | 6 | 315 | DD6 | C19-C18-C17 | 3.29 | 117.13 | 110.77 |
| 11 | 10 | 309 | CLA | C4-C3-C5 | 3.29 | 120.81 | 115.27 |
| 11 | 16 | 308 | CLA | C3B-C4B-NB | 3.29 | 113.46 | 109.21 |
| 12 | 7 | 312 | KC1 | C1C-C2C-C3C | -3.29 | 103.50 | 106.96 |
| 12 | 13 | 306 | KC1 | CAC-C3C-C4C | 3.29 | 129.08 | 124.81 |
| 12 | 6 | 309 | KC1 | CHD-C4C-NC | 3.29 | 129.19 | 124.20 |
| 12 | 14 | 311 | KC1 | CAA-CBA-CGA | -3.29 | 110.37 | 127.26 |
| 11 | 11 | 308 | CLA | C1C-C2C-C3C | -3.29 | 103.50 | 106.96 |
| 11 | 13 | 307 | CLA | CAC-C3C-C4C | 3.28 | 129.07 | 124.81 |
| 12 | 8 | 313 | KC1 | CHD-C4C-NC | 3.28 | 129.19 | 124.20 |
| 12 | 11 | 311 | KC1 | C1A-NA-C4A | -3.28 | 105.23 | 106.71 |
| 11 | 16 | 302 | CLA | C3B-C4B-NB | 3.28 | 113.45 | 109.21 |
| 11 | 13 | 309 | CLA | CHC-C1C-C2C | -3.28 | 117.64 | 126.72 |
| 13 | 8 | 316 | DD6 | C37-C36-C35 | -3.28 | 108.28 | 114.36 |
| 13 | 13 | 314 | DD6 | C35-C36-C31 | -3.28 | 113.13 | 120.57 |
| 11 | 6 | 307 | CLA | CHC-C1C-C2C | -3.28 | 117.66 | 126.72 |
| 11 | 6 | 311 | CLA | CAA-C2A-C3A | -3.28 | 103.81 | 112.78 |
| 12 | 13 | 308 | KC1 | CAA-CBA-CGA | -3.28 | 110.43 | 127.26 |
| 11 | 14 | 309 | CLA | C3B-C4B-NB | 3.27 | 113.44 | 109.21 |
| 12 | 11 | 311 | KC1 | CBA-CAA-C2A | -3.27 | 112.79 | 125.27 |
| 13 | 6 | 315 | DD6 | C35-C36-C31 | -3.27 | 113.14 | 120.57 |
| 12 | 10 | 310 | KC1 | CAB-C3B-C4B | 3.27 | 132.79 | 124.90 |
| 11 | 7 | 306 | CLA | CHD-C4C-NC | 3.27 | 129.35 | 124.20 |
| 12 | 12 | 313 | KC1 | CHD-C4C-NC | 3.27 | 129.16 | 124.20 |
| 12 | 7 | 307 | KC1 | CAA-CBA-CGA | -3.27 | 110.46 | 127.26 |
| 14 | 16 | 312 | A86 | C24-C1-C2 | 3.27 | 123.96 | 118.94 |
| 12 | 11 | 311 | KC1 | CAC-C3C-C4C | 3.27 | 129.05 | 124.81 |
| 12 | 6 | 305 | KC1 | C4C-C3C-C2C | -3.27 | 102.14 | 106.90 |
| 12 | 8 | 306 | KC1 | CAB-C3B-C4B | 3.27 | 132.79 | 124.90 |
| 13 | 10 | 314 | DD6 | C19-C18-C17 | 3.27 | 117.08 | 110.77 |
| 12 | 10 | 306 | KC1 | CAC-C3C-C4C | 3.27 | 129.05 | 124.81 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 14 | 14 | 316 | A86 | C12-C11-C13 | 3.27 | 121.51 | 116.02 |
| 11 | 12 | 304 | CLA | CMB-C2B-C3B | 3.27 | 130.79 | 124.68 |
| 11 | 14 | 302 | CLA | C4-C3-C5 | 3.26 | 120.76 | 115.27 |
| 14 | 14 | 315 | A86 | C41-C32-C31 | -3.26 | 107.55 | 110.47 |
| 11 | 7 | 303 | CLA | CHC-C1C-C2C | -3.26 | 117.70 | 126.72 |
| 11 | 14 | 303 | CLA | C3B-C4B-NB | 3.26 | 113.42 | 109.21 |
| 12 | 8 | 307 | KC1 | CBA-CAA-C2A | -3.26 | 112.84 | 125.27 |
| 11 | 14 | 313 | CLA | CAA-C2A-C3A | -3.26 | 103.85 | 112.78 |
| 14 | 15 | 321 | A86 | C40-C32-C31 | -3.26 | 107.56 | 110.47 |
| 11 | 6 | 304 | CLA | CAA-C2A-C3A | -3.26 | 103.86 | 112.78 |
| 11 | 6 | 312 | CLA | CHC-C1C-C2C | -3.26 | 117.71 | 126.72 |
| 11 | 16 | 305 | CLA | O2D-CGD-O1D | -3.26 | 117.47 | 123.84 |
| 12 | 10 | 306 | KC1 | O2D-CGD-O1D | -3.25 | 117.48 | 123.84 |
| 11 | 11 | 309 | CLA | C3B-C4B-NB | 3.25 | 113.42 | 109.21 |
| 11 | 14 | 302 | CLA | CAC-C3C-C4C | 3.25 | 129.03 | 124.81 |
| 14 | 7 | 314 | A86 | C41-C32-C31 | -3.25 | 107.56 | 110.47 |
| 12 | 8 | 314 | KC1 | CAA-CBA-CGA | -3.25 | 110.55 | 127.26 |
| 11 | 10 | 308 | CLA | O2A-CGA-CBA | 3.25 | 122.11 | 111.91 |
| 11 | 16 | 308 | CLA | CHC-C1C-C2C | -3.25 | 117.73 | 126.72 |
| 11 | 15 | 306 | CLA | CHC-C1C-C2C | -3.25 | 117.74 | 126.72 |
| 11 | 15 | 312 | CLA | C3B-C4B-NB | 3.25 | 113.41 | 109.21 |
| 11 | 7 | 302 | CLA | C1C-C2C-C3C | -3.25 | 103.54 | 106.96 |
| 11 | 7 | 304 | CLA | CMB-C2B-C3B | 3.25 | 130.75 | 124.68 |
| 11 | 7 | 308 | CLA | C3B-C4B-NB | 3.24 | 113.40 | 109.21 |
| 13 | 12 | 317 | DD6 | C37-C36-C35 | -3.24 | 108.35 | 114.36 |
| 12 | 6 | 305 | KC1 | C1C-C2C-C3C | -3.24 | 103.55 | 106.96 |
| 12 | 11 | 306 | KC1 | CAA-CBA-CGA | -3.24 | 110.61 | 127.26 |
| 14 | 15 | 315 | A86 | C8-C6-C5 | -3.24 | 113.97 | 118.94 |
| 14 | 16 | 312 | A86 | C10-C9-C8 | 3.24 | 133.32 | 123.22 |
| 11 | 7 | 311 | CLA | CHC-C1C-C2C | -3.24 | 117.76 | 126.72 |
| 11 | 7 | 302 | CLA | O2A-CGA-CBA | 3.24 | 122.07 | 111.91 |
| 13 | 10 | 314 | DD6 | C14-C13-C11 | 3.23 | 130.55 | 125.53 |
| 11 | 6 | 314 | CLA | C3B-C4B-NB | 3.23 | 113.39 | 109.21 |
| 14 | 15 | 321 | A86 | C4-C3-C2 | -3.23 | 116.86 | 123.47 |
| 12 | 16 | 311 | KC1 | CAA-CBA-CGA | -3.23 | 110.67 | 127.26 |
| 11 | 12 | 307 | CLA | CHD-C4C-NC | 3.23 | 129.29 | 124.20 |
| 14 | 16 | 312 | A86 | C4-C3-C2 | -3.22 | 116.87 | 123.47 |
| 14 | 6 | 317 | A86 | C9-C8-C6 | -3.22 | 117.36 | 126.42 |
| 14 | 14 | 301 | A86 | C25-C26-C27 | -3.22 | 122.71 | 127.31 |
| 11 | 6 | 306 | CLA | C3B-C4B-NB | 3.22 | 113.38 | 109.21 |
| 11 | 12 | 306 | CLA | C3B-C4B-NB | 3.22 | 113.38 | 109.21 |
| 12 | 8 | 311 | KC1 | C4C-C3C-C2C | -3.22 | 102.20 | 106.90 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 14 | 15 | 321 | A86 | C34-O4-C38 | -3.22 | 111.89 | 117.90 |
| 11 | 10 | 309 | CLA | C3B-C4B-NB | 3.21 | 113.36 | 109.21 |
| 12 | 8 | 310 | KC1 | CHD-C4C-NC | 3.21 | 129.08 | 124.20 |
| 16 | 8 | 321 | LMG | O6-C1-O1 | -3.21 | 102.37 | 109.97 |
| 11 | 13 | 302 | CLA | C3B-C4B-NB | 3.21 | 113.36 | 109.21 |
| 11 | 12 | 306 | CLA | CHC-C1C-C2C | -3.21 | 117.84 | 126.72 |
| 11 | 12 | 312 | CLA | C3B-C4B-NB | 3.21 | 113.36 | 109.21 |
| 11 | 16 | 310 | CLA | C3B-C4B-NB | 3.21 | 113.36 | 109.21 |
| 11 | 10 | 308 | CLA | CHD-C4C-NC | 3.21 | 129.26 | 124.20 |
| 11 | 8 | 309 | CLA | CHC-C1C-C2C | -3.21 | 117.85 | 126.72 |
| 12 | 12 | 305 | KC1 | C1A-NA-C4A | -3.21 | 105.27 | 106.71 |
| 12 | 6 | 309 | KC1 | CAB-C3B-C4B | 3.20 | 132.64 | 124.90 |
| 14 | 8 | 318 | A86 | C36-C31-C32 | -3.20 | 116.52 | 119.70 |
| 11 | 16 | 301 | CLA | CHD-C4C-NC | 3.20 | 129.25 | 124.20 |
| 11 | 13 | 304 | CLA | C3B-C4B-NB | 3.20 | 113.35 | 109.21 |
| 11 | 16 | 306 | CLA | C1C-C2C-C3C | -3.20 | 103.59 | 106.96 |
| 11 | 14 | 305 | CLA | C3B-C4B-NB | 3.20 | 113.34 | 109.21 |
| 11 | 14 | 313 | CLA | C3B-C4B-NB | 3.20 | 113.34 | 109.21 |
| 11 | 6 | 306 | CLA | CAC-C3C-C4C | 3.20 | 128.96 | 124.81 |
| 11 | 15 | 304 | CLA | C1-O2A-CGA | 3.20 | 124.83 | 116.44 |
| 12 | 13 | 310 | KC1 | CHB-C1B-NB | -3.19 | 121.52 | 124.45 |
| 11 | 15 | 302 | CLA | CAA-C2A-C3A | -3.19 | 104.03 | 112.78 |
| 13 | 16 | 313 | DD6 | C22-C16-C15 | 3.19 | 118.67 | 110.05 |
| 13 | 10 | 313 | DD6 | O1-C20-C21 | -3.19 | 111.23 | 115.06 |
| 11 | 7 | 306 | CLA | CMC-C2C-C1C | 3.19 | 129.90 | 125.04 |
| 12 | 8 | 307 | KC1 | C4B-C3B-C2B | -3.19 | 104.13 | 106.75 |
| 11 | 8 | 305 | CLA | C3B-C4B-NB | 3.19 | 113.33 | 109.21 |
| 11 | 16 | 309 | CLA | CAA-C2A-C3A | -3.19 | 104.05 | 112.78 |
| 14 | 8 | 318 | A86 | C12-C11-C13 | 3.19 | 121.38 | 116.02 |
| 11 | 15 | 304 | CLA | C3B-C4B-NB | 3.18 | 113.33 | 109.21 |
| 11 | 6 | 313 | CLA | C3B-C4B-NB | 3.18 | 113.33 | 109.21 |
| 11 | 15 | 307 | CLA | C3B-C4B-NB | 3.18 | 113.33 | 109.21 |
| 11 | 14 | 304 | CLA | CAC-C3C-C4C | 3.18 | 128.94 | 124.81 |
| 11 | 8 | 302 | CLA | CAA-C2A-C3A | -3.18 | 104.07 | 112.78 |
| 12 | 8 | 313 | KC1 | CBA-CAA-C2A | -3.18 | 113.15 | 125.27 |
| 13 | 10 | 313 | DD6 | C35-C36-C31 | -3.18 | 113.35 | 120.57 |
| 14 | 7 | 314 | A86 | C4-C3-C2 | -3.18 | 116.97 | 123.47 |
| 11 | 8 | 301 | CLA | C4C-C3C-C2C | -3.18 | 102.27 | 106.90 |
| 11 | 14 | 304 | CLA | C3B-C4B-NB | 3.17 | 113.31 | 109.21 |
| 14 | 10 | 316 | A86 | C-C1-C24 | 3.17 | 123.08 | 118.08 |
| 11 | 11 | 303 | CLA | CHD-C4C-NC | 3.17 | 129.20 | 124.20 |
| 11 | 11 | 305 | CLA | CAC-C3C-C4C | 3.17 | 128.93 | 124.81 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 7 | 305 | CLA | C1-C2-C3 | -3.17 | 120.56 | 126.04 |
| 14 | 12 | 314 | A86 | C36-C31-C32 | -3.17 | 116.55 | 119.70 |
| 11 | 15 | 303 | CLA | C3B-C4B-NB | 3.17 | 113.30 | 109.21 |
| 11 | 7 | 310 | CLA | CHC-C1C-C2C | -3.16 | 117.97 | 126.72 |
| 14 | 15 | 315 | A86 | C25-C24-C1 | 3.16 | 135.30 | 126.42 |
| 11 | 11 | 307 | CLA | CAA-C2A-C3A | -3.16 | 104.12 | 112.78 |
| 11 | 8 | 303 | CLA | CAC-C3C-C4C | 3.16 | 128.91 | 124.81 |
| 11 | 8 | 302 | CLA | C3B-C4B-NB | 3.16 | 113.30 | 109.21 |
| 12 | 13 | 306 | KC1 | CHD-C4C-NC | 3.16 | 129.00 | 124.20 |
| 11 | 8 | 308 | CLA | O2A-CGA-CBA | 3.16 | 121.83 | 111.91 |
| 14 | 15 | 321 | A86 | C10-C9-C8 | -3.16 | 113.35 | 123.22 |
| 11 | 7 | 308 | CLA | CHC-C1C-C2C | -3.16 | 117.98 | 126.72 |
| 11 | 7 | 302 | CLA | CAC-C3C-C4C | 3.16 | 128.91 | 124.81 |
| 11 | 16 | 310 | CLA | CGD-CBD-CAD | -3.16 | 100.51 | 110.73 |
| 13 | 7 | 301 | DD6 | C14-C13-C11 | 3.16 | 130.43 | 125.53 |
| 13 | 7 | 317 | DD6 | C37-C36-C35 | -3.15 | 108.51 | 114.36 |
| 11 | 15 | 312 | CLA | C3C-C4C-NC | 3.15 | 114.11 | 110.57 |
| 11 | 13 | 307 | CLA | C3B-C4B-NB | 3.15 | 113.29 | 109.21 |
| 11 | 15 | 302 | CLA | O2A-CGA-CBA | 3.15 | 121.80 | 111.91 |
| 11 | 8 | 303 | CLA | CHC-C1C-C2C | -3.15 | 118.00 | 126.72 |
| 14 | 7 | 318 | A86 | C-C1-C2 | -3.15 | 118.51 | 122.92 |
| 11 | 10 | 303 | CLA | CAC-C3C-C4C | 3.15 | 128.90 | 124.81 |
| 14 | 6 | 317 | A86 | C35-C34-C33 | 3.15 | 115.38 | 109.88 |
| 11 | 7 | 305 | CLA | C3B-C4B-NB | 3.15 | 113.28 | 109.21 |
| 11 | 10 | 311 | CLA | CAA-C2A-C3A | -3.15 | 104.15 | 112.78 |
| 11 | 16 | 307 | CLA | CAA-C2A-C3A | -3.15 | 104.15 | 112.78 |
| 13 | 8 | 317 | DD6 | C12-C11-C13 | -3.15 | 113.12 | 118.08 |
| 11 | 13 | 307 | CLA | CHC-C1C-C2C | -3.15 | 118.01 | 126.72 |
| 12 | 8 | 307 | KC1 | CHD-C4C-NC | 3.15 | 128.98 | 124.20 |
| 11 | 15 | 307 | CLA | CHC-C1C-C2C | -3.15 | 118.02 | 126.72 |
| 11 | 15 | 312 | CLA | CHC-C1C-C2C | -3.15 | 118.02 | 126.72 |
| 11 | 12 | 310 | CLA | C4C-C3C-C2C | -3.14 | 102.32 | 106.90 |
| 12 | 7 | 312 | KC1 | CAA-CBA-CGA | -3.14 | 111.12 | 127.26 |
| 14 | 11 | 313 | A86 | C35-C34-C33 | 3.14 | 115.36 | 109.88 |
| 11 | 15 | 313 | CLA | C3B-C4B-NB | 3.14 | 113.27 | 109.21 |
| 11 | 14 | 307 | CLA | CMB-C2B-C3B | 3.14 | 130.55 | 124.68 |
| 11 | 16 | 306 | CLA | C3B-C4B-NB | 3.14 | 113.27 | 109.21 |
| 11 | 7 | 304 | CLA | O2D-CGD-O1D | -3.14 | 117.71 | 123.84 |
| 11 | 10 | 303 | CLA | CHC-C1C-C2C | -3.13 | 118.05 | 126.72 |
| 11 | 14 | 310 | CLA | C1-C2-C3 | -3.13 | 121.68 | 126.75 |
| 11 | 8 | 304 | CLA | C1-O2A-CGA | 3.13 | 124.67 | 116.44 |
| 11 | 16 | 303 | CLA | C3B-C4B-NB | 3.13 | 113.26 | 109.21 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 15 | 312 | CLA | CMB-C2B-C3B | 3.13 | 130.54 | 124.68 |
| 14 | 10 | 317 | A86 | C23-C16-C17 | -3.13 | 103.54 | 108.98 |
| 11 | 7 | 302 | CLA | C4C-C3C-C2C | -3.13 | 102.34 | 106.90 |
| 11 | 12 | 308 | CLA | C4C-C3C-C2C | -3.13 | 102.34 | 106.90 |
| 11 | 14 | 313 | CLA | CHD-C4C-NC | 3.13 | 129.13 | 124.20 |
| 11 | 10 | 311 | CLA | C4C-C3C-C2C | -3.13 | 102.34 | 106.90 |
| 11 | 7 | 305 | CLA | CHC-C1C-C2C | -3.12 | 118.08 | 126.72 |
| 13 | 6 | 318 | DD6 | C33-C34-C35 | 3.12 | 114.58 | 110.30 |
| 11 | 13 | 301 | CLA | CHD-C4C-NC | 3.12 | 129.12 | 124.20 |
| 14 | 15 | 322 | A86 | C3-C4-C5 | 3.12 | 129.86 | 123.47 |
| 11 | 15 | 311 | CLA | CHC-C1C-C2C | -3.12 | 118.09 | 126.72 |
| 12 | 14 | 311 | KC1 | CMC-C2C-C1C | 3.12 | 129.78 | 125.04 |
| 11 | 12 | 310 | CLA | C3B-C4B-NB | 3.11 | 113.23 | 109.21 |
| 11 | 12 | 321 | CLA | CHC-C1C-C2C | -3.11 | 118.12 | 126.72 |
| 13 | 15 | 319 | DD6 | O1-C20-C21 | -3.11 | 111.33 | 115.06 |
| 11 | 15 | 314 | CLA | C3B-C4B-NB | 3.11 | 113.23 | 109.21 |
| 11 | 16 | 307 | CLA | C3B-C4B-NB | 3.11 | 113.23 | 109.21 |
| 11 | 15 | 306 | CLA | CAA-C2A-C3A | -3.11 | 104.26 | 112.78 |
| 11 | 15 | 314 | CLA | CAC-C3C-C4C | 3.11 | 128.84 | 124.81 |
| 11 | 6 | 306 | CLA | CAA-C2A-C3A | -3.11 | 104.27 | 112.78 |
| 11 | 10 | 304 | CLA | CMB-C2B-C3B | 3.11 | 130.49 | 124.68 |
| 13 | 7 | 301 | DD6 | C19-C18-C17 | 3.11 | 116.77 | 110.77 |
| 11 | 16 | 305 | CLA | CHC-C1C-C2C | -3.11 | 118.13 | 126.72 |
| 11 | 10 | 311 | CLA | CHC-C1C-C2C | -3.10 | 118.13 | 126.72 |
| 12 | 14 | 306 | KC1 | CAA-CBA-CGA | -3.10 | 111.32 | 127.26 |
| 12 | 8 | 310 | KC1 | CBA-CAA-C2A | -3.10 | 113.45 | 125.27 |
| 12 | 12 | 309 | KC1 | C2A-C1A-NA | 3.10 | 114.38 | 109.40 |
| 12 | 6 | 309 | KC1 | CBA-CAA-C2A | -3.10 | 113.45 | 125.27 |
| 11 | 15 | 304 | CLA | CHC-C1C-C2C | -3.10 | 118.15 | 126.72 |
| 11 | 8 | 305 | CLA | C1C-C2C-C3C | -3.10 | 103.70 | 106.96 |
| 12 | 8 | 306 | KC1 | CMB-C2B-C1B | 3.10 | 130.18 | 124.71 |
| 11 | 8 | 308 | CLA | C3B-C4B-NB | 3.10 | 113.22 | 109.21 |
| 12 | 8 | 313 | KC1 | C2C-C1C-NC | 3.10 | 113.95 | 110.57 |
| 14 | 14 | 315 | A86 | C24-C1-C2 | -3.09 | 114.19 | 118.94 |
| 11 | 12 | 312 | CLA | CHC-C1C-C2C | -3.09 | 118.16 | 126.72 |
| 13 | 15 | 319 | DD6 | C25-C24-C1 | -3.09 | 117.73 | 126.42 |
| 11 | 12 | 306 | CLA | O2D-CGD-O1D | -3.09 | 117.79 | 123.84 |
| 12 | 8 | 312 | KC1 | CAA-CBA-CGA | -3.09 | 111.37 | 127.26 |
| 13 | 6 | 316 | DD6 | C25-C24-C1 | -3.09 | 117.73 | 126.42 |
| 11 | 6 | 304 | CLA | C3B-C4B-NB | 3.09 | 113.21 | 109.21 |
| 11 | 7 | 305 | CLA | C4C-C3C-C2C | -3.09 | 102.39 | 106.90 |
| 11 | 11 | 308 | CLA | C3B-C4B-NB | 3.09 | 113.21 | 109.21 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 14 | 11 | 301 | A86 | C25-C24-C1 | -3.09 | 117.73 | 126.42 |
| 13 | 6 | 318 | DD6 | C32-C31-C36 | -3.09 | 118.27 | 122.63 |
| 13 | 7 | 316 | DD6 | C19-C18-C17 | 3.09 | 116.74 | 110.77 |
| 11 | 14 | 305 | CLA | CHB-C4A-NA | 3.09 | 128.78 | 124.51 |
| 14 | 15 | 315 | A86 | C7-C6-C8 | 3.09 | 122.94 | 118.08 |
| 11 | 13 | 304 | CLA | CAA-C2A-C3A | -3.09 | 104.32 | 112.78 |
| 14 | 16 | 312 | A86 | C40-C32-C31 | -3.09 | 107.71 | 110.47 |
| 14 | 11 | 315 | A86 | C12-C11-C13 | 3.09 | 121.21 | 116.02 |
| 11 | 16 | 302 | CLA | C4C-C3C-C2C | -3.09 | 102.40 | 106.90 |
| 11 | 6 | 304 | CLA | C4-C3-C5 | 3.09 | 120.46 | 115.27 |
| 12 | 12 | 313 | KC1 | O2D-CGD-O1D | -3.09 | 117.81 | 123.84 |
| 11 | 16 | 302 | CLA | CAA-C2A-C3A | -3.09 | 104.33 | 112.78 |
| 11 | 14 | 312 | CLA | C3B-C4B-NB | 3.08 | 113.20 | 109.21 |
| 11 | 12 | 306 | CLA | CAA-C2A-C3A | -3.08 | 104.34 | 112.78 |
| 11 | 15 | 303 | CLA | C4C-C3C-C2C | -3.08 | 102.41 | 106.90 |
| 11 | 8 | 302 | CLA | CHD-C4C-NC | 3.08 | 129.06 | 124.20 |
| 12 | 12 | 311 | KC1 | C4C-C3C-C2C | -3.08 | 102.41 | 106.90 |
| 11 | 14 | 304 | CLA | CHC-C1C-C2C | -3.08 | 118.20 | 126.72 |
| 12 | 10 | 306 | KC1 | CBA-CAA-C2A | -3.08 | 113.53 | 125.27 |
| 11 | 8 | 303 | CLA | O2D-CGD-O1D | -3.08 | 117.82 | 123.84 |
| 14 | 7 | 318 | A86 | C40-C32-C31 | -3.08 | 107.72 | 110.47 |
| 13 | 12 | 315 | DD6 | C25-C24-C1 | -3.08 | 117.77 | 126.42 |
| 11 | 11 | 309 | CLA | CHC-C1C-C2C | -3.08 | 118.21 | 126.72 |
| 11 | 14 | 305 | CLA | CHC-C1C-C2C | -3.08 | 118.21 | 126.72 |
| 14 | 11 | 313 | A86 | C12-C11-C13 | 3.08 | 121.19 | 116.02 |
| 11 | 15 | 313 | CLA | CHC-C1C-C2C | -3.07 | 118.22 | 126.72 |
| 12 | 8 | 312 | KC1 | C4C-C3C-C2C | -3.07 | 102.42 | 106.90 |
| 12 | 11 | 311 | KC1 | CMB-C2B-C1B | 3.07 | 130.12 | 124.71 |
| 12 | 14 | 311 | KC1 | CHD-C4C-NC | 3.07 | 128.86 | 124.20 |
| 12 | 16 | 304 | KC1 | CAA-CBA-CGA | -3.07 | 111.48 | 127.26 |
| 11 | 13 | 303 | CLA | C3B-C4B-NB | 3.07 | 113.18 | 109.21 |
| 12 | 16 | 304 | KC1 | C4C-C3C-C2C | -3.07 | 102.42 | 106.90 |
| 11 | 12 | 302 | CLA | CHD-C4C-NC | 3.07 | 129.04 | 124.20 |
| 13 | 6 | 318 | DD6 | C12-C11-C13 | -3.07 | 113.24 | 118.08 |
| 14 | 14 | 319 | A86 | C3-C4-C5 | -3.07 | 117.19 | 123.47 |
| 13 | 11 | 312 | DD6 | O1-C20-C21 | -3.07 | 111.38 | 115.06 |
| 11 | 16 | 307 | CLA | O2D-CGD-O1D | -3.07 | 117.84 | 123.84 |
| 14 | 13 | 315 | A86 | C25-C24-C1 | -3.06 | 117.81 | 126.42 |
| 11 | 14 | 307 | CLA | C3B-C4B-NB | 3.06 | 113.17 | 109.21 |
| 12 | 12 | 309 | KC1 | CHD-C4C-NC | 3.06 | 128.85 | 124.20 |
| 11 | 8 | 304 | CLA | CHC-C1C-C2C | -3.06 | 118.25 | 126.72 |
| 11 | 7 | 304 | CLA | CHC-C1C-C2C | -3.06 | 118.25 | 126.72 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 15 | 309 | CLA | CHC-C1C-C2C | -3.06 | 118.25 | 126.72 |
| 12 | 12 | 313 | KC1 | CMC-C2C-C1C | 3.06 | 129.70 | 125.04 |
| 11 | 15 | 310 | CLA | CHC-C1C-C2C | -3.06 | 118.26 | 126.72 |
| 11 | 6 | 303 | CLA | C4C-C3C-C2C | -3.06 | 102.44 | 106.90 |
| 11 | 16 | 309 | CLA | CHC-C1C-C2C | -3.06 | 118.26 | 126.72 |
| 11 | 6 | 314 | CLA | CHC-C1C-C2C | -3.06 | 118.27 | 126.72 |
| 12 | 6 | 305 | KC1 | CHD-C4C-NC | 3.06 | 128.84 | 124.20 |
| 12 | 12 | 313 | KC1 | CHB-C1B-NB | -3.06 | 121.64 | 124.45 |
| 12 | 16 | 311 | KC1 | CHB-C1B-NB | -3.06 | 121.64 | 124.45 |
| 12 | 8 | 310 | KC1 | CMB-C2B-C1B | 3.06 | 130.10 | 124.71 |
| 12 | 8 | 313 | KC1 | C4B-C3B-C2B | -3.06 | 104.24 | 106.75 |
| 11 | 6 | 311 | CLA | CHD-C4C-NC | 3.06 | 129.02 | 124.20 |
| 12 | 12 | 305 | KC1 | CHB-C1B-NB | -3.05 | 121.65 | 124.45 |
| 11 | 16 | 303 | CLA | CHD-C4C-NC | 3.05 | 129.01 | 124.20 |
| 11 | 10 | 307 | CLA | C4C-C3C-C2C | -3.05 | 102.45 | 106.90 |
| 14 | 15 | 315 | A86 | C-C1-C2 | -3.05 | 118.65 | 122.92 |
| 14 | 7 | 315 | A86 | C7-C6-C8 | 3.05 | 122.89 | 118.08 |
| 12 | 7 | 307 | KC1 | C4C-C3C-C2C | -3.05 | 102.45 | 106.90 |
| 11 | 14 | 303 | CLA | CHC-C1C-C2C | -3.05 | 118.28 | 126.72 |
| 11 | 6 | 312 | CLA | CAC-C3C-C4C | 3.05 | 128.77 | 124.81 |
| 12 | 16 | 311 | KC1 | C2A-C1A-NA | 3.05 | 114.29 | 109.40 |
| 12 | 10 | 306 | KC1 | CMB-C2B-C1B | 3.05 | 130.09 | 124.71 |
| 12 | 11 | 304 | KC1 | CAC-C3C-C4C | 3.05 | 128.76 | 124.81 |
| 12 | 10 | 312 | KC1 | CHD-C4C-NC | 3.05 | 128.83 | 124.20 |
| 12 | 8 | 311 | KC1 | CBA-CAA-C2A | -3.05 | 113.66 | 125.27 |
| 11 | 10 | 304 | CLA | C4C-C3C-C2C | -3.05 | 102.46 | 106.90 |
| 11 | 13 | 304 | CLA | CHC-C1C-C2C | -3.04 | 118.30 | 126.72 |
| 14 | 12 | 316 | A86 | C25-C26-C27 | -3.04 | 122.97 | 127.31 |
| 12 | 10 | 310 | KC1 | C4C-C3C-C2C | -3.04 | 102.46 | 106.90 |
| 11 | 14 | 303 | CLA | CAC-C3C-C4C | 3.04 | 128.76 | 124.81 |
| 13 | 10 | 313 | DD6 | C7-C6-C8 | -3.04 | 113.29 | 118.08 |
| 12 | 7 | 312 | KC1 | CHD-C4C-NC | 3.04 | 128.81 | 124.20 |
| 11 | 10 | 308 | CLA | CMC-C2C-C1C | 3.04 | 129.67 | 125.04 |
| 11 | 15 | 302 | CLA | CAC-C3C-C4C | 3.04 | 128.75 | 124.81 |
| 11 | 16 | 305 | CLA | C1-C2-C3 | -3.04 | 121.84 | 126.75 |
| 11 | 13 | 301 | CLA | CMC-C2C-C1C | 3.03 | 129.66 | 125.04 |
| 11 | 11 | 303 | CLA | C1-C2-C3 | -3.03 | 120.80 | 126.04 |
| 11 | 6 | 314 | CLA | CAA-C2A-C3A | -3.03 | 104.48 | 112.78 |
| 11 | 8 | 304 | CLA | CHD-C4C-NC | 3.03 | 128.98 | 124.20 |
| 11 | 13 | 309 | CLA | CAC-C3C-C4C | 3.03 | 128.74 | 124.81 |
| 12 | 6 | 309 | KC1 | CHC-C4B-NB | -3.03 | 121.67 | 124.45 |
| 12 | 8 | 311 | KC1 | CAC-C3C-C4C | 3.03 | 128.74 | 124.81 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 16 | 307 | CLA | CHC-C1C-C2C | -3.03 | 118.35 | 126.72 |
| 11 | 16 | 303 | CLA | C1-C2-C3 | -3.03 | 120.81 | 126.04 |
| 14 | 16 | 314 | A86 | C35-C34-C33 | 3.02 | 115.15 | 109.88 |
| 11 | 12 | 304 | CLA | CHC-C1C-C2C | -3.02 | 118.36 | 126.72 |
| 14 | 8 | 315 | A86 | C-C1-C24 | 3.02 | 122.84 | 118.08 |
| 11 | 7 | 304 | CLA | CAA-C2A-C3A | -3.02 | 104.50 | 112.78 |
| 11 | 12 | 306 | CLA | CHB-C4A-NA | 3.02 | 128.69 | 124.51 |
| 11 | 16 | 302 | CLA | C1-C2-C3 | -3.02 | 120.82 | 126.04 |
| 11 | 6 | 303 | CLA | C3B-C4B-NB | 3.02 | 113.12 | 109.21 |
| 14 | 14 | 316 | A86 | C10-C9-C8 | -3.02 | 113.79 | 123.22 |
| 12 | 6 | 308 | KC1 | CAA-CBA-CGA | -3.02 | 111.74 | 127.26 |
| 11 | 14 | 312 | CLA | C4C-C3C-C2C | -3.02 | 102.50 | 106.90 |
| 11 | 16 | 301 | CLA | C3B-C4B-NB | 3.02 | 113.11 | 109.21 |
| 11 | 16 | 301 | CLA | C4C-C3C-C2C | -3.02 | 102.50 | 106.90 |
| 11 | 7 | 308 | CLA | CAC-C3C-C4C | 3.02 | 128.72 | 124.81 |
| 13 | 7 | 316 | DD6 | C35-C36-C31 | -3.01 | 113.73 | 120.57 |
| 11 | 7 | 304 | CLA | CAC-C3C-C4C | 3.01 | 128.72 | 124.81 |
| 14 | 15 | 315 | A86 | C36-C31-C32 | -3.01 | 116.71 | 119.70 |
| 11 | 13 | 302 | CLA | CHC-C1C-C2C | -3.01 | 118.39 | 126.72 |
| 11 | 12 | 302 | CLA | C4-C3-C5 | 3.01 | 120.34 | 115.27 |
| 14 | 11 | 301 | A86 | C40-C32-C31 | -3.01 | 107.78 | 110.47 |
| 14 | 11 | 313 | A86 | C26-C25-C24 | -3.01 | 113.82 | 123.22 |
| 12 | 16 | 311 | KC1 | C4C-C3C-C2C | -3.01 | 102.51 | 106.90 |
| 11 | 12 | 308 | CLA | C3B-C4B-NB | 3.01 | 113.10 | 109.21 |
| 11 | 16 | 303 | CLA | CBA-CAA-C2A | 3.01 | 122.74 | 113.86 |
| 14 | 14 | 319 | A86 | C12-C11-C10 | -3.01 | 116.15 | 123.42 |
| 14 | 14 | 318 | A86 | C25-C24-C1 | -3.01 | 117.97 | 126.42 |
| 11 | 12 | 306 | CLA | C4A-NA-C1A | -3.01 | 105.36 | 106.71 |
| 12 | 7 | 312 | KC1 | CMB-C2B-C1B | 3.00 | 130.01 | 124.71 |
| 11 | 16 | 301 | CLA | CMC-C2C-C1C | 3.00 | 129.61 | 125.04 |
| 11 | 10 | 303 | CLA | C4C-C3C-C2C | -3.00 | 102.52 | 106.90 |
| 12 | 8 | 314 | KC1 | C4C-C3C-C2C | -3.00 | 102.52 | 106.90 |
| 11 | 12 | 307 | CLA | C4C-C3C-C2C | -3.00 | 102.52 | 106.90 |
| 14 | 7 | 318 | A86 | C7-C6-C5 | -3.00 | 118.72 | 122.92 |
| 11 | 14 | 312 | CLA | CHC-C1C-C2C | -3.00 | 118.42 | 126.72 |
| 11 | 12 | 303 | CLA | C4C-C3C-C2C | -3.00 | 102.52 | 106.90 |
| 12 | 13 | 310 | KC1 | CMB-C2B-C1B | 3.00 | 130.00 | 124.71 |
| 11 | 12 | 303 | CLA | CHC-C1C-C2C | -3.00 | 118.42 | 126.72 |
| 13 | 8 | 316 | DD6 | C25-C24-C1 | -3.00 | 117.99 | 126.42 |
| 12 | 13 | 305 | KC1 | C4C-C3C-C2C | -3.00 | 102.53 | 106.90 |
| 11 | 6 | 306 | CLA | CHC-C1C-C2C | -3.00 | 118.43 | 126.72 |
| 16 | 7 | 319 | LMG | C1-C2-C3 | -3.00 | 103.75 | 110.00 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 13 | 7 | 317 | DD6 | C19-C18-C17 | 3.00 | 116.56 | 110.77 |
| 14 | 10 | 302 | A86 | C23-C16-C17 | -3.00 | 103.78 | 108.98 |
| 11 | 12 | 302 | CLA | C4C-C3C-C2C | -2.99 | 102.53 | 106.90 |
| 11 | 16 | 310 | CLA | C4C-C3C-C2C | -2.99 | 102.53 | 106.90 |
| 12 | 7 | 312 | KC1 | C4C-C3C-C2C | -2.99 | 102.53 | 106.90 |
| 14 | 6 | 317 | A86 | C25-C24-C1 | -2.99 | 118.01 | 126.42 |
| 13 | 8 | 317 | DD6 | C10-C9-C8 | -2.99 | 113.88 | 123.22 |
| 11 | 6 | 301 | CLA | C3B-C4B-NB | 2.99 | 113.08 | 109.21 |
| 14 | 12 | 314 | A86 | C10-C9-C8 | -2.99 | 113.88 | 123.22 |
| 11 | 16 | 302 | CLA | CAC-C3C-C4C | 2.99 | 128.69 | 124.81 |
| 11 | 10 | 303 | CLA | CHD-C4C-NC | 2.99 | 128.91 | 124.20 |
| 12 | 6 | 309 | KC1 | C4C-C3C-C2C | -2.99 | 102.54 | 106.90 |
| 14 | 15 | 320 | A86 | C36-C31-C32 | -2.99 | 116.73 | 119.70 |
| 11 | 16 | 303 | CLA | C4C-C3C-C2C | -2.99 | 102.54 | 106.90 |
| 11 | 11 | 307 | CLA | CHC-C1C-C2C | -2.99 | 118.46 | 126.72 |
| 11 | 11 | 307 | CLA | CHD-C4C-NC | 2.99 | 128.91 | 124.20 |
| 14 | 10 | 317 | A86 | C36-C31-C32 | -2.99 | 116.73 | 119.70 |
| 11 | 6 | 313 | CLA | C1-C2-C3 | -2.99 | 120.88 | 126.04 |
| 12 | 8 | 306 | KC1 | CAA-CBA-CGA | -2.98 | 111.92 | 127.26 |
| 11 | 15 | 302 | CLA | CHD-C4C-NC | 2.98 | 128.91 | 124.20 |
| 11 | 15 | 310 | CLA | CAC-C3C-C4C | 2.98 | 128.68 | 124.81 |
| 11 | 12 | 306 | CLA | C4C-C3C-C2C | -2.98 | 102.55 | 106.90 |
| 12 | 13 | 310 | KC1 | CHD-C4C-NC | 2.98 | 128.72 | 124.20 |
| 12 | 7 | 312 | KC1 | C4B-C3B-C2B | -2.98 | 104.31 | 106.75 |
| 13 | 16 | 313 | DD6 | C35-C36-C31 | -2.98 | 113.81 | 120.57 |
| 11 | 15 | 305 | CLA | CAA-C2A-C3A | -2.98 | 104.62 | 112.78 |
| 13 | 6 | 318 | DD6 | C40-C32-C31 | -2.98 | 105.74 | 110.47 |
| 11 | 16 | 307 | CLA | CAC-C3C-C4C | 2.98 | 128.67 | 124.81 |
| 11 | 15 | 306 | CLA | C4C-C3C-C2C | -2.98 | 102.56 | 106.90 |
| 12 | 12 | 305 | KC1 | C4C-C3C-C2C | -2.98 | 102.56 | 106.90 |
| 11 | 15 | 312 | CLA | CHD-C4C-NC | 2.98 | 128.89 | 124.20 |
| 12 | 8 | 311 | KC1 | C1A-NA-C4A | -2.98 | 105.37 | 106.71 |
| 14 | 7 | 315 | A86 | C3-C4-C5 | -2.98 | 117.38 | 123.47 |
| 11 | 13 | 309 | CLA | CAA-C2A-C3A | -2.98 | 104.63 | 112.78 |
| 14 | 14 | 320 | A86 | C4-C5-C6 | 2.98 | 131.56 | 127.31 |
| 11 | 6 | 302 | CLA | CHC-C1C-C2C | -2.97 | 118.49 | 126.72 |
| 11 | 6 | 302 | CLA | CAC-C3C-C4C | 2.97 | 128.67 | 124.81 |
| 14 | 7 | 315 | A86 | C25-C26-C27 | -2.97 | 123.07 | 127.31 |
| 12 | 13 | 306 | KC1 | CBA-CAA-C2A | -2.97 | 113.94 | 125.27 |
| 14 | 14 | 301 | A86 | C35-C34-C33 | 2.97 | 115.06 | 109.88 |
| 11 | 12 | 321 | CLA | CAC-C3C-C4C | 2.97 | 128.66 | 124.81 |
| 14 | 6 | 317 | A86 | C3-C2-C1 | -2.97 | 123.07 | 127.31 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 7 | 306 | CLA | CAC-C3C-C4C | 2.97 | 128.66 | 124.81 |
| 11 | 6 | 306 | CLA | C4C-C3C-C2C | -2.97 | 102.57 | 106.90 |
| 11 | 14 | 304 | CLA | C4C-C3C-C2C | -2.97 | 102.57 | 106.90 |
| 11 | 14 | 310 | CLA | CHC-C1C-C2C | -2.97 | 118.51 | 126.72 |
| 11 | 16 | 310 | CLA | CHC-C1C-C2C | -2.97 | 118.51 | 126.72 |
| 11 | 7 | 306 | CLA | C1C-C2C-C3C | -2.97 | 103.84 | 106.96 |
| 11 | 10 | 307 | CLA | C4-C3-C5 | 2.97 | 120.26 | 115.27 |
| 11 | 15 | 307 | CLA | C1-C2-C3 | -2.97 | 121.95 | 126.75 |
| 12 | 8 | 306 | KC1 | CBC-CAC-C3C | -2.97 | 104.25 | 112.43 |
| 11 | 15 | 305 | CLA | C4C-C3C-C2C | -2.96 | 102.58 | 106.90 |
| 12 | 14 | 311 | KC1 | C4C-C3C-C2C | -2.96 | 102.58 | 106.90 |
| 11 | 10 | 308 | CLA | C4C-C3C-C2C | -2.96 | 102.58 | 106.90 |
| 11 | 14 | 305 | CLA | C1-C2-C3 | -2.96 | 121.96 | 126.75 |
| 11 | 10 | 304 | CLA | CHC-C1C-C2C | -2.96 | 118.53 | 126.72 |
| 11 | 15 | 305 | CLA | CHC-C1C-C2C | -2.96 | 118.53 | 126.72 |
| 11 | 13 | 307 | CLA | CMB-C2B-C3B | 2.96 | 130.22 | 124.68 |
| 11 | 13 | 307 | CLA | O2D-CGD-O1D | -2.96 | 118.05 | 123.84 |
| 11 | 8 | 304 | CLA | C4C-C3C-C2C | -2.96 | 102.59 | 106.90 |
| 11 | 12 | 302 | CLA | CAA-C2A-C3A | -2.96 | 104.68 | 112.78 |
| 14 | 13 | 315 | A86 | C12-C11-C10 | -2.96 | 116.27 | 123.42 |
| 11 | 14 | 302 | CLA | CHD-C4C-NC | 2.96 | 128.86 | 124.20 |
| 12 | 11 | 304 | KC1 | C4C-C3C-C2C | -2.95 | 102.59 | 106.90 |
| 11 | 10 | 303 | CLA | CBC-CAC-C3C | -2.95 | 104.29 | 112.43 |
| 11 | 16 | 309 | CLA | O2D-CGD-O1D | -2.95 | 118.07 | 123.84 |
| 11 | 14 | 309 | CLA | CAC-C3C-C4C | 2.95 | 128.64 | 124.81 |
| 11 | 8 | 305 | CLA | CMC-C2C-C1C | 2.95 | 129.53 | 125.04 |
| 11 | 7 | 306 | CLA | C4C-C3C-C2C | -2.95 | 102.60 | 106.90 |
| 11 | 15 | 309 | CLA | CAC-C3C-C4C | 2.95 | 128.64 | 124.81 |
| 11 | 15 | 309 | CLA | C4C-C3C-C2C | -2.95 | 102.60 | 106.90 |
| 11 | 13 | 303 | CLA | CHC-C1C-C2C | -2.95 | 118.57 | 126.72 |
| 12 | 13 | 308 | KC1 | CHD-C4C-NC | 2.95 | 128.67 | 124.20 |
| 11 | 10 | 305 | CLA | CHC-C1C-C2C | -2.95 | 118.57 | 126.72 |
| 11 | 8 | 309 | CLA | CAC-C3C-C4C | 2.94 | 128.63 | 124.81 |
| 11 | 14 | 305 | CLA | C4C-C3C-C2C | -2.94 | 102.61 | 106.90 |
| 11 | 10 | 309 | CLA | C4C-C3C-C2C | -2.94 | 102.61 | 106.90 |
| 14 | 10 | 315 | A86 | C4-C3-C2 | -2.94 | 117.45 | 123.47 |
| 12 | 12 | 313 | KC1 | CMB-C2B-C1B | 2.94 | 129.89 | 124.71 |
| 11 | 10 | 309 | CLA | CHC-C1C-C2C | -2.94 | 118.60 | 126.72 |
| 14 | 11 | 301 | A86 | C12-C11-C10 | -2.94 | 116.32 | 123.42 |
| 12 | 14 | 311 | KC1 | CAC-C3C-C4C | 2.94 | 128.62 | 124.81 |
| 11 | 6 | 311 | CLA | CAC-C3C-C4C | 2.93 | 128.62 | 124.81 |
| 11 | 8 | 308 | CLA | C1-C2-C3 | -2.93 | 120.97 | 126.04 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 10 | 308 | CLA | CAA-C2A-C3A | -2.93 | 104.75 | 112.78 |
| 11 | 10 | 308 | CLA | CAC-C3C-C4C | 2.93 | 128.62 | 124.81 |
| 11 | 6 | 302 | CLA | O2A-CGA-CBA | 2.93 | 121.11 | 111.91 |
| 12 | 13 | 305 | KC1 | CAC-C3C-C4C | 2.93 | 128.61 | 124.81 |
| 11 | 7 | 309 | CLA | CHC-C1C-C2C | -2.93 | 118.61 | 126.72 |
| 14 | 8 | 318 | A86 | C3-C4-C5 | 2.93 | 129.48 | 123.47 |
| 11 | 10 | 308 | CLA | C1C-C2C-C3C | -2.93 | 103.88 | 106.96 |
| 11 | 14 | 302 | CLA | C3B-C4B-NB | 2.93 | 113.00 | 109.21 |
| 12 | 11 | 304 | KC1 | CAA-C2A-C1A | -2.93 | 111.28 | 124.75 |
| 11 | 10 | 307 | CLA | CMB-C2B-C3B | 2.93 | 130.16 | 124.68 |
| 11 | 8 | 303 | CLA | C4C-C3C-C2C | -2.93 | 102.63 | 106.90 |
| 12 | 13 | 310 | KC1 | CBA-CAA-C2A | -2.93 | 114.11 | 125.27 |
| 11 | 11 | 303 | CLA | C4C-C3C-C2C | -2.93 | 102.63 | 106.90 |
| 11 | 12 | 306 | CLA | C1-C2-C3 | -2.93 | 120.98 | 126.04 |
| 14 | 16 | 312 | A86 | C7-C6-C5 | -2.93 | 118.82 | 122.92 |
| 11 | 13 | 303 | CLA | CAC-C3C-C4C | 2.93 | 128.61 | 124.81 |
| 13 | 8 | 317 | DD6 | C25-C24-C1 | -2.93 | 118.20 | 126.42 |
| 11 | 15 | 308 | CLA | C1C-C2C-C3C | -2.93 | 103.88 | 106.96 |
| 12 | 11 | 310 | KC1 | C4C-C3C-C2C | -2.93 | 102.63 | 106.90 |
| 13 | 6 | 315 | DD6 | C9-C8-C6 | -2.93 | 118.20 | 126.42 |
| 12 | 16 | 311 | KC1 | C1A-NA-C4A | -2.92 | 105.39 | 106.71 |
| 11 | 6 | 304 | CLA | CHC-C1C-C2C | -2.92 | 118.63 | 126.72 |
| 12 | 8 | 314 | KC1 | CAC-C3C-C4C | 2.92 | 128.60 | 124.81 |
| 13 | 13 | 314 | DD6 | C37-C36-C35 | -2.92 | 108.94 | 114.36 |
| 16 | 8 | 320 | LMG | O6-C1-O1 | -2.92 | 103.06 | 109.97 |
| 12 | 13 | 306 | KC1 | CAA-CBA-CGA | -2.92 | 112.25 | 127.26 |
| 11 | 15 | 308 | CLA | CHC-C1C-C2C | -2.92 | 118.64 | 126.72 |
| 11 | 6 | 304 | CLA | C4C-C3C-C2C | -2.92 | 102.64 | 106.90 |
| 11 | 12 | 304 | CLA | CAC-C3C-C4C | 2.92 | 128.60 | 124.81 |
| 11 | 14 | 312 | CLA | CAA-C2A-C3A | -2.92 | 104.78 | 112.78 |
| 11 | 14 | 312 | CLA | CAC-C3C-C4C | 2.92 | 128.60 | 124.81 |
| 11 | 13 | 301 | CLA | CHC-C1C-C2C | -2.92 | 118.65 | 126.72 |
| 12 | 13 | 310 | KC1 | C4C-C3C-C2C | -2.92 | 102.65 | 106.90 |
| 13 | 6 | 316 | DD6 | C34-C35-C36 | -2.92 | 106.05 | 111.85 |
| 12 | 11 | 306 | KC1 | C4C-C3C-C2C | -2.91 | 102.65 | 106.90 |
| 11 | 16 | 302 | CLA | CHC-C1C-C2C | -2.91 | 118.66 | 126.72 |
| 11 | 11 | 308 | CLA | CHC-C1C-C2C | -2.91 | 118.66 | 126.72 |
| 11 | 15 | 310 | CLA | C4C-C3C-C2C | -2.91 | 102.65 | 106.90 |
| 11 | 6 | 301 | CLA | CHD-C4C-NC | 2.91 | 128.79 | 124.20 |
| 11 | 8 | 308 | CLA | CHD-C4C-NC | 2.91 | 128.79 | 124.20 |
| 11 | 8 | 302 | CLA | C4C-C3C-C2C | -2.91 | 102.65 | 106.90 |
| 11 | 7 | 311 | CLA | CAC-C3C-C4C | 2.91 | 128.59 | 124.81 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 7 | 306 | CLA | C3B-C4B-NB | 2.91 | 112.97 | 109.21 |
| 11 | 14 | 313 | CLA | C4C-C3C-C2C | -2.91 | 102.66 | 106.90 |
| 11 | 7 | 304 | CLA | O1D-CGD-CBD | -2.91 | 118.53 | 124.48 |
| 11 | 15 | 314 | CLA | C4C-C3C-C2C | -2.91 | 102.66 | 106.90 |
| 13 | 11 | 312 | DD6 | C19-C18-C17 | 2.91 | 116.39 | 110.77 |
| 11 | 13 | 301 | CLA | C4C-C3C-C2C | -2.91 | 102.66 | 106.90 |
| 11 | 6 | 313 | CLA | CAC-C3C-C4C | 2.91 | 128.58 | 124.81 |
| 11 | 7 | 305 | CLA | CAC-C3C-C4C | 2.91 | 128.58 | 124.81 |
| 12 | 11 | 311 | KC1 | C4C-C3C-C2C | -2.91 | 102.66 | 106.90 |
| 12 | 14 | 308 | KC1 | CMB-C2B-C1B | 2.91 | 129.83 | 124.71 |
| 11 | 13 | 307 | CLA | C4C-C3C-C2C | -2.91 | 102.66 | 106.90 |
| 14 | 11 | 314 | A86 | C40-C32-C31 | -2.90 | 107.87 | 110.47 |
| 12 | 6 | 308 | KC1 | C4C-C3C-C2C | -2.90 | 102.67 | 106.90 |
| 12 | 8 | 311 | KC1 | CAA-CBA-CGA | -2.90 | 112.34 | 127.26 |
| 11 | 12 | 308 | CLA | CHC-C1C-C2C | -2.90 | 118.69 | 126.72 |
| 11 | 7 | 304 | CLA | C4C-C3C-C2C | -2.90 | 102.67 | 106.90 |
| 11 | 15 | 313 | CLA | C4C-C3C-C2C | -2.90 | 102.67 | 106.90 |
| 11 | 6 | 311 | CLA | C4-C3-C5 | 2.90 | 120.15 | 115.27 |
| 11 | 8 | 305 | CLA | CAA-C2A-C3A | -2.90 | 104.83 | 112.78 |
| 11 | 11 | 303 | CLA | C4-C3-C5 | 2.90 | 120.15 | 115.27 |
| 11 | 16 | 305 | CLA | C4C-C3C-C2C | -2.90 | 102.67 | 106.90 |
| 11 | 12 | 310 | CLA | O2A-CGA-CBA | 2.90 | 121.00 | 111.91 |
| 11 | 6 | 311 | CLA | CHC-C1C-C2C | -2.90 | 118.71 | 126.72 |
| 11 | 15 | 313 | CLA | CHD-C4C-NC | 2.89 | 128.76 | 124.20 |
| 12 | 11 | 310 | KC1 | CHD-C4C-NC | 2.89 | 128.59 | 124.20 |
| 12 | 8 | 312 | KC1 | CAC-C3C-C4C | 2.89 | 128.56 | 124.81 |
| 12 | 11 | 310 | KC1 | CAA-CBA-CGA | -2.89 | 112.39 | 127.26 |
| 11 | 12 | 321 | CLA | C4C-C3C-C2C | -2.89 | 102.68 | 106.90 |
| 11 | 14 | 313 | CLA | CHC-C1C-C2C | -2.89 | 118.72 | 126.72 |
| 11 | 15 | 309 | CLA | CMB-C2B-C3B | 2.89 | 130.09 | 124.68 |
| 12 | 6 | 310 | KC1 | CHD-C4C-NC | 2.89 | 128.59 | 124.20 |
| 13 | 10 | 314 | DD6 | C23-C16-C22 | -2.89 | 103.10 | 107.37 |
| 11 | 7 | 303 | CLA | C4-C3-C5 | 2.89 | 120.14 | 115.27 |
| 11 | 13 | 302 | CLA | C4C-C3C-C2C | -2.89 | 102.68 | 106.90 |
| 11 | 15 | 307 | CLA | C4C-C3C-C2C | -2.89 | 102.68 | 106.90 |
| 11 | 16 | 308 | CLA | C4C-C3C-C2C | -2.89 | 102.68 | 106.90 |
| 11 | 6 | 301 | CLA | O2A-CGA-CBA | 2.89 | 120.98 | 111.91 |
| 14 | 16 | 312 | A86 | C35-C34-C33 | 2.89 | 114.92 | 109.88 |
| 11 | 16 | 307 | CLA | C4C-C3C-C2C | -2.89 | 102.69 | 106.90 |
| 12 | 13 | 312 | KC1 | CHD-C4C-NC | 2.89 | 128.59 | 124.20 |
| 11 | 8 | 305 | CLA | CAC-C3C-C4C | 2.89 | 128.56 | 124.81 |
| 11 | 11 | 308 | CLA | C4C-C3C-C2C | -2.89 | 102.69 | 106.90 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 6 | 307 | CLA | CMB-C2B-C3B | 2.89 | 130.08 | 124.68 |
| 11 | 7 | 311 | CLA | C4C-C3C-C2C | -2.89 | 102.69 | 106.90 |
| 11 | 6 | 303 | CLA | C1-O2A-CGA | 2.89 | 124.02 | 116.44 |
| 11 | 6 | 301 | CLA | CHC-C1C-C2C | -2.89 | 118.73 | 126.72 |
| 11 | 16 | 302 | CLA | CHD-C4C-NC | 2.89 | 128.75 | 124.20 |
| 11 | 6 | 306 | CLA | CHD-C4C-NC | 2.89 | 128.75 | 124.20 |
| 11 | 7 | 309 | CLA | C4C-C3C-C2C | -2.88 | 102.69 | 106.90 |
| 11 | 7 | 302 | CLA | CMB-C2B-C3B | 2.88 | 130.07 | 124.68 |
| 13 | 11 | 312 | DD6 | C9-C8-C6 | -2.88 | 118.32 | 126.42 |
| 11 | 15 | 314 | CLA | CMC-C2C-C1C | 2.88 | 129.43 | 125.04 |
| 11 | 16 | 305 | CLA | CHB-C4A-NA | 2.88 | 128.49 | 124.51 |
| 11 | 13 | 309 | CLA | C4C-C3C-C2C | -2.88 | 102.70 | 106.90 |
| 14 | 12 | 314 | A86 | C41-C32-C31 | -2.88 | 107.90 | 110.47 |
| 11 | 11 | 307 | CLA | C4C-C3C-C2C | -2.88 | 102.70 | 106.90 |
| 12 | 7 | 307 | KC1 | CHD-C4C-NC | 2.88 | 128.57 | 124.20 |
| 11 | 16 | 309 | CLA | C4C-C3C-C2C | -2.88 | 102.71 | 106.90 |
| 11 | 12 | 312 | CLA | CAC-C3C-C4C | 2.88 | 128.54 | 124.81 |
| 13 | 15 | 319 | DD6 | C21-C20-C19 | -2.87 | 111.05 | 114.28 |
| 11 | 11 | 305 | CLA | C3B-C4B-NB | 2.87 | 112.93 | 109.21 |
| 11 | 15 | 312 | CLA | O2D-CGD-O1D | -2.87 | 118.22 | 123.84 |
| 12 | 13 | 310 | KC1 | CMC-C2C-C1C | 2.87 | 129.41 | 125.04 |
| 11 | 7 | 304 | CLA | CHB-C4A-NA | 2.87 | 128.48 | 124.51 |
| 11 | 15 | 303 | CLA | CHC-C1C-C2C | -2.87 | 118.78 | 126.72 |
| 11 | 14 | 303 | CLA | CHD-C4C-NC | 2.87 | 128.73 | 124.20 |
| 12 | 13 | 306 | KC1 | C1C-C2C-C3C | -2.87 | 103.94 | 106.96 |
| 11 | 8 | 301 | CLA | CMC-C2C-C1C | 2.87 | 129.41 | 125.04 |
| 12 | 6 | 310 | KC1 | C4C-C3C-C2C | -2.87 | 102.72 | 106.90 |
| 11 | 6 | 303 | CLA | CHC-C1C-C2C | -2.87 | 118.79 | 126.72 |
| 11 | 8 | 305 | CLA | CHD-C4C-NC | 2.87 | 128.72 | 124.20 |
| 11 | 10 | 308 | CLA | C3B-C4B-NB | 2.87 | 112.92 | 109.21 |
| 11 | 12 | 312 | CLA | C4C-C3C-C2C | -2.87 | 102.72 | 106.90 |
| 11 | 15 | 303 | CLA | CAA-C2A-C3A | -2.87 | 104.93 | 112.78 |
| 11 | 11 | 303 | CLA | CMC-C2C-C1C | 2.86 | 129.40 | 125.04 |
| 13 | 7 | 301 | DD6 | C25-C24-C1 | -2.86 | 118.37 | 126.42 |
| 12 | 12 | 313 | KC1 | CBD-CHA-C1A | 2.86 | 134.22 | 128.88 |
| 11 | 14 | 310 | CLA | CHB-C4A-NA | 2.86 | 128.47 | 124.51 |
| 13 | 12 | 317 | DD6 | C15-C14-C13 | 2.86 | 132.05 | 125.99 |
| 14 | 7 | 315 | A86 | C41-C32-C31 | -2.86 | 107.91 | 110.47 |
| 14 | 11 | 315 | A86 | C40-C32-C31 | -2.86 | 107.91 | 110.47 |
| 11 | 12 | 312 | CLA | CHD-C4C-NC | 2.86 | 128.71 | 124.20 |
| 11 | 16 | 306 | CLA | C1-C2-C3 | -2.86 | 121.09 | 126.04 |
| 14 | 10 | 316 | A86 | C26-C25-C24 | -2.86 | 114.29 | 123.22 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 10 | 312 | KC1 | CAA-C2A-C1A | -2.86 | 111.61 | 124.75 |
| 11 | 16 | 306 | CLA | CHC-C1C-C2C | -2.86 | 118.82 | 126.72 |
| 12 | 13 | 305 | KC1 | O2D-CGD-O1D | -2.86 | 118.25 | 123.84 |
| 11 | 10 | 309 | CLA | CAA-C2A-C3A | -2.86 | 104.95 | 112.78 |
| 12 | 8 | 311 | KC1 | CMB-C2B-C1B | 2.86 | 129.75 | 124.71 |
| 14 | 14 | 314 | A86 | C12-C11-C10 | -2.86 | 116.51 | 123.42 |
| 12 | 8 | 306 | KC1 | CHC-C4B-NB | -2.86 | 121.83 | 124.45 |
| 11 | 12 | 304 | CLA | C4C-C3C-C2C | -2.86 | 102.74 | 106.90 |
| 13 | 15 | 318 | DD6 | C19-C18-C17 | 2.85 | 116.29 | 110.77 |
| 11 | 11 | 305 | CLA | C4C-C3C-C2C | -2.85 | 102.74 | 106.90 |
| 11 | 12 | 302 | CLA | CHB-C4A-NA | 2.85 | 128.46 | 124.51 |
| 12 | 6 | 310 | KC1 | CAC-C3C-C4C | 2.85 | 128.51 | 124.81 |
| 12 | 16 | 304 | KC1 | CAC-C3C-C4C | 2.85 | 128.51 | 124.81 |
| 11 | 14 | 313 | CLA | O2D-CGD-O1D | -2.85 | 118.26 | 123.84 |
| 13 | 15 | 318 | DD6 | C14-C13-C11 | -2.85 | 121.11 | 125.53 |
| 11 | 7 | 303 | CLA | CBC-CAC-C3C | -2.85 | 104.57 | 112.43 |
| 14 | 14 | 315 | A86 | C26-C25-C24 | -2.85 | 114.32 | 123.22 |
| 11 | 10 | 304 | CLA | CAA-C2A-C3A | -2.85 | 104.97 | 112.78 |
| 11 | 14 | 302 | CLA | CHC-C1C-C2C | -2.85 | 118.84 | 126.72 |
| 11 | 12 | 302 | CLA | CMC-C2C-C1C | 2.85 | 129.38 | 125.04 |
| 11 | 14 | 310 | CLA | CAC-C3C-C4C | 2.85 | 128.51 | 124.81 |
| 11 | 11 | 305 | CLA | C1-C2-C3 | -2.85 | 121.12 | 126.04 |
| 11 | 6 | 301 | CLA | C1-C2-C3 | -2.85 | 121.12 | 126.04 |
| 12 | 12 | 313 | KC1 | C4C-C3C-C2C | -2.85 | 102.75 | 106.90 |
| 14 | 14 | 319 | A86 | C25-C24-C1 | -2.85 | 118.42 | 126.42 |
| 12 | 8 | 314 | KC1 | CMB-C2B-C1B | 2.85 | 129.73 | 124.71 |
| 11 | 15 | 302 | CLA | CMC-C2C-C1C | 2.84 | 129.37 | 125.04 |
| 11 | 15 | 302 | CLA | C4C-C3C-C2C | -2.84 | 102.75 | 106.90 |
| 14 | 7 | 318 | A86 | C24-C1-C2 | 2.84 | 123.30 | 118.94 |
| 11 | 6 | 314 | CLA | CAC-C3C-C4C | 2.84 | 128.50 | 124.81 |
| 11 | 15 | 313 | CLA | C4-C3-C5 | 2.84 | 120.05 | 115.27 |
| 11 | 15 | 311 | CLA | C4C-C3C-C2C | -2.84 | 102.76 | 106.90 |
| 11 | 13 | 304 | CLA | CAC-C3C-C4C | 2.84 | 128.50 | 124.81 |
| 11 | 13 | 304 | CLA | C4C-C3C-C2C | -2.84 | 102.76 | 106.90 |
| 12 | 12 | 305 | KC1 | CHD-C4C-NC | 2.84 | 128.51 | 124.20 |
| 17 | 15 | 301 | LMT | C1B-O5B-C5B | 2.84 | 119.26 | 113.69 |
| 11 | 10 | 311 | CLA | CAC-C3C-C4C | 2.84 | 128.49 | 124.81 |
| 12 | 13 | 311 | KC1 | CAC-C3C-C4C | 2.84 | 128.49 | 124.81 |
| 11 | 15 | 314 | CLA | CHC-C1C-C2C | -2.84 | 118.87 | 126.72 |
| 12 | 11 | 304 | KC1 | CHD-C4C-NC | 2.84 | 128.51 | 124.20 |
| 12 | 11 | 306 | KC1 | CHD-C4C-NC | 2.84 | 128.51 | 124.20 |
| 12 | 8 | 312 | KC1 | CMB-C2B-C1B | 2.84 | 129.71 | 124.71 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 10 | 311 | CLA | CHD-C4C-NC | 2.84 | 128.67 | 124.20 |
| 11 | 11 | 305 | CLA | CHC-C1C-C2C | -2.83 | 118.88 | 126.72 |
| 11 | 7 | 302 | CLA | CAA-C2A-C3A | -2.83 | 105.02 | 112.78 |
| 11 | 16 | 303 | CLA | O2A-CGA-CBA | 2.83 | 120.80 | 111.91 |
| 11 | 12 | 306 | CLA | CAC-C3C-C4C | 2.83 | 128.48 | 124.81 |
| 11 | 6 | 314 | CLA | CHD-C4C-NC | 2.83 | 128.66 | 124.20 |
| 11 | 6 | 312 | CLA | C4C-C3C-C2C | -2.83 | 102.77 | 106.90 |
| 13 | 15 | 318 | DD6 | C33-C32-C31 | 2.83 | 115.36 | 109.62 |
| 14 | 10 | 316 | A86 | C24-C1-C2 | -2.83 | 114.60 | 118.94 |
| 11 | 6 | 303 | CLA | CAC-C3C-C4C | 2.83 | 128.48 | 124.81 |
| 11 | 8 | 302 | CLA | C4-C3-C5 | 2.83 | 120.03 | 115.27 |
| 11 | 14 | 310 | CLA | C4C-C3C-C2C | -2.83 | 102.78 | 106.90 |
| 12 | 13 | 308 | KC1 | C4C-C3C-C2C | -2.83 | 102.78 | 106.90 |
| 11 | 11 | 309 | CLA | C4C-C3C-C2C | -2.83 | 102.78 | 106.90 |
| 11 | 14 | 309 | CLA | C4C-C3C-C2C | -2.83 | 102.78 | 106.90 |
| 12 | 12 | 309 | KC1 | CAA-CBA-CGA | -2.83 | 112.74 | 127.26 |
| 11 | 12 | 303 | CLA | CAA-C2A-C3A | -2.82 | 105.04 | 112.78 |
| 11 | 10 | 307 | CLA | CHB-C4A-NA | 2.82 | 128.42 | 124.51 |
| 14 | 15 | 316 | A86 | C25-C24-C1 | -2.82 | 118.48 | 126.42 |
| 12 | 10 | 306 | KC1 | C4C-C3C-C2C | -2.82 | 102.78 | 106.90 |
| 13 | 15 | 318 | DD6 | C25-C24-C1 | -2.82 | 118.48 | 126.42 |
| 11 | 16 | 301 | CLA | CAC-C3C-C4C | 2.82 | 128.47 | 124.81 |
| 12 | 13 | 311 | KC1 | CHD-C4C-NC | 2.82 | 128.48 | 124.20 |
| 11 | 8 | 305 | CLA | OBD-CAD-C3D | -2.82 | 121.73 | 128.52 |
| 12 | 11 | 310 | KC1 | CAC-C3C-C4C | 2.82 | 128.47 | 124.81 |
| 11 | 14 | 302 | CLA | O2A-CGA-CBA | 2.82 | 120.75 | 111.91 |
| 11 | 15 | 311 | CLA | CHD-C4C-NC | 2.82 | 128.64 | 124.20 |
| 11 | 8 | 301 | CLA | CAC-C3C-C4C | 2.82 | 128.47 | 124.81 |
| 13 | 11 | 312 | DD6 | C15-C14-C13 | -2.82 | 120.04 | 125.99 |
| 11 | 13 | 301 | CLA | C3B-C4B-NB | 2.82 | 112.85 | 109.21 |
| 14 | 16 | 312 | A86 | C-C1-C2 | -2.82 | 118.98 | 122.92 |
| 17 | 15 | 301 | LMT | O1B-C4'-C3' | 2.82 | 114.77 | 107.28 |
| 12 | 13 | 305 | KC1 | CMB-C2B-C1B | 2.82 | 129.68 | 124.71 |
| 12 | 12 | 311 | KC1 | CHB-C4A-NA | 2.81 | 128.64 | 124.20 |
| 12 | 12 | 305 | KC1 | CAA-CBA-CGA | -2.81 | 112.79 | 127.26 |
| 14 | 15 | 315 | A86 | C4-C5-C6 | 2.81 | 131.33 | 127.31 |
| 11 | 6 | 313 | CLA | C4C-C3C-C2C | -2.81 | 102.80 | 106.90 |
| 12 | 10 | 312 | KC1 | C4C-C3C-C2C | -2.81 | 102.80 | 106.90 |
| 11 | 12 | 302 | CLA | CBC-CAC-C3C | -2.81 | 104.67 | 112.43 |
| 11 | 12 | 308 | CLA | CAA-C2A-C3A | -2.81 | 105.07 | 112.78 |
| 14 | 11 | 314 | A86 | C9-C10-C11 | -2.81 | 118.34 | 126.61 |
| 12 | 12 | 309 | KC1 | C4C-C3C-C2C | -2.81 | 102.80 | 106.90 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 14 | 14 | 319 | A86 | C10-C9-C8 | -2.81 | 114.44 | 123.22 |
| 11 | 12 | 308 | CLA | CAC-C3C-C4C | 2.81 | 128.46 | 124.81 |
| 14 | 11 | 301 | A86 | C3-C4-C5 | -2.81 | 117.72 | 123.47 |
| 11 | 16 | 301 | CLA | CHC-C1C-C2C | -2.81 | 118.94 | 126.72 |
| 11 | 6 | 303 | CLA | CHD-C4C-NC | 2.81 | 128.63 | 124.20 |
| 11 | 7 | 309 | CLA | CHD-C4C-NC | 2.81 | 128.63 | 124.20 |
| 11 | 13 | 303 | CLA | CHD-C4C-NC | 2.81 | 128.63 | 124.20 |
| 12 | 6 | 309 | KC1 | CMC-C2C-C1C | 2.81 | 129.31 | 125.04 |
| 12 | 14 | 308 | KC1 | CAA-CBA-CGA | -2.81 | 112.84 | 127.26 |
| 12 | 7 | 312 | KC1 | CBA-CAA-C2A | -2.81 | 114.58 | 125.27 |
| 11 | 10 | 305 | CLA | C4C-C3C-C2C | -2.80 | 102.81 | 106.90 |
| 11 | 12 | 302 | CLA | CMB-C2B-C3B | 2.80 | 129.93 | 124.68 |
| 11 | 8 | 304 | CLA | CAA-CBA-CGA | -2.80 | 105.06 | 113.25 |
| 12 | 10 | 306 | KC1 | CHD-C4C-NC | 2.80 | 128.46 | 124.20 |
| 12 | 10 | 312 | KC1 | CAC-C3C-C4C | 2.80 | 128.45 | 124.81 |
| 11 | 8 | 304 | CLA | O2A-CGA-CBA | 2.80 | 120.71 | 111.91 |
| 12 | 12 | 309 | KC1 | CAC-C3C-C4C | 2.80 | 128.45 | 124.81 |
| 14 | 16 | 314 | A86 | C3-C4-C5 | -2.80 | 117.74 | 123.47 |
| 11 | 12 | 321 | CLA | CHD-C4C-NC | 2.80 | 128.62 | 124.20 |
| 11 | 7 | 308 | CLA | C4C-C3C-C2C | -2.80 | 102.82 | 106.90 |
| 12 | 8 | 307 | KC1 | C4C-C3C-C2C | -2.80 | 102.82 | 106.90 |
| 11 | 10 | 307 | CLA | CHC-C1C-C2C | -2.80 | 118.98 | 126.72 |
| 11 | 8 | 309 | CLA | C4C-C3C-C2C | -2.80 | 102.82 | 106.90 |
| 11 | 8 | 308 | CLA | CHC-C1C-C2C | -2.80 | 118.98 | 126.72 |
| 12 | 14 | 306 | KC1 | O2D-CGD-O1D | -2.80 | 118.37 | 123.84 |
| 11 | 6 | 312 | CLA | O2D-CGD-O1D | -2.79 | 118.37 | 123.84 |
| 11 | 6 | 302 | CLA | CHD-C4C-NC | 2.79 | 128.61 | 124.20 |
| 11 | 11 | 305 | CLA | CHD-C4C-NC | 2.79 | 128.61 | 124.20 |
| 13 | 6 | 316 | DD6 | C37-C36-C35 | -2.79 | 109.18 | 114.36 |
| 13 | 15 | 319 | DD6 | C14-C13-C11 | -2.79 | 121.20 | 125.53 |
| 14 | 7 | 314 | A86 | C4-C5-C6 | -2.79 | 123.33 | 127.31 |
| 11 | 10 | 309 | CLA | CHD-C4C-NC | 2.79 | 128.60 | 124.20 |
| 11 | 10 | 304 | CLA | CAC-C3C-C4C | 2.79 | 128.43 | 124.81 |
| 11 | 7 | 310 | CLA | C4C-C3C-C2C | -2.79 | 102.83 | 106.90 |
| 14 | 10 | 301 | A86 | C33-C32-C31 | 2.79 | 111.92 | 109.21 |
| 11 | 7 | 302 | CLA | CHD-C4C-NC | 2.79 | 128.60 | 124.20 |
| 11 | 15 | 304 | CLA | C4-C3-C5 | 2.79 | 119.96 | 115.27 |
| 11 | 12 | 310 | CLA | CHC-C1C-C2C | -2.79 | 119.01 | 126.72 |
| 11 | 11 | 307 | CLA | CHB-C4A-NA | 2.79 | 128.37 | 124.51 |
| 11 | 6 | 313 | CLA | CHB-C4A-NA | 2.78 | 128.36 | 124.51 |
| 14 | 13 | 315 | A86 | C7-C6-C5 | -2.78 | 119.02 | 122.92 |
| 14 | 10 | 316 | A86 | O-C13-C11 | -2.78 | 115.00 | 121.15 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 8 | 307 | KC1 | CHB-C1B-NB | -2.78 | 121.89 | 124.45 |
| 12 | 6 | 310 | KC1 | CMB-C2B-C1B | 2.78 | 129.62 | 124.71 |
| 11 | 8 | 308 | CLA | C4C-C3C-C2C | -2.78 | 102.84 | 106.90 |
| 13 | 6 | 316 | DD6 | C33-C32-C31 | 2.78 | 115.26 | 109.62 |
| 14 | 15 | 320 | A86 | C25-C24-C1 | -2.78 | 118.61 | 126.42 |
| 11 | 8 | 308 | CLA | CMC-C2C-C1C | 2.78 | 129.27 | 125.04 |
| 11 | 6 | 304 | CLA | CAC-C3C-C4C | 2.78 | 128.41 | 124.81 |
| 11 | 11 | 303 | CLA | C3B-C4B-NB | 2.78 | 112.80 | 109.21 |
| 11 | 12 | 312 | CLA | O2A-CGA-CBA | 2.78 | 120.62 | 111.91 |
| 12 | 10 | 312 | KC1 | CMC-C2C-C1C | 2.77 | 129.26 | 125.04 |
| 11 | 16 | 310 | CLA | CHD-C4C-NC | 2.77 | 128.57 | 124.20 |
| 11 | 10 | 308 | CLA | CMB-C2B-C3B | 2.77 | 129.87 | 124.68 |
| 11 | 16 | 305 | CLA | C4A-NA-C1A | -2.77 | 105.46 | 106.71 |
| 13 | 12 | 317 | DD6 | C23-C16-C17 | -2.77 | 104.17 | 108.98 |
| 11 | 15 | 309 | CLA | CHD-C4C-NC | 2.77 | 128.57 | 124.20 |
| 11 | 15 | 313 | CLA | CAC-C3C-C4C | 2.77 | 128.40 | 124.81 |
| 14 | 14 | 318 | A86 | C12-C11-C13 | 2.77 | 120.67 | 116.02 |
| 11 | 7 | 303 | CLA | C4C-C3C-C2C | -2.77 | 102.86 | 106.90 |
| 11 | 6 | 313 | CLA | CAA-C2A-C3A | -2.77 | 105.20 | 112.78 |
| 11 | 6 | 301 | CLA | CBA-CAA-C2A | 2.77 | 122.03 | 113.86 |
| 11 | 14 | 302 | CLA | O2D-CGD-O1D | -2.77 | 118.43 | 123.84 |
| 13 | 6 | 318 | DD6 | C37-C36-C35 | -2.76 | 109.23 | 114.36 |
| 11 | 10 | 307 | CLA | CAC-C3C-C4C | 2.76 | 128.40 | 124.81 |
| 11 | 6 | 314 | CLA | C4C-C3C-C2C | -2.76 | 102.87 | 106.90 |
| 13 | 6 | 316 | DD6 | C19-C18-C17 | 2.76 | 116.11 | 110.77 |
| 11 | 7 | 311 | CLA | CHD-C4C-NC | 2.76 | 128.56 | 124.20 |
| 11 | 13 | 307 | CLA | O2A-CGA-CBA | 2.76 | 120.57 | 111.91 |
| 11 | 16 | 305 | CLA | CAC-C3C-C4C | 2.76 | 128.39 | 124.81 |
| 11 | 10 | 309 | CLA | CED-O2D-CGD | 2.76 | 122.18 | 115.94 |
| 11 | 15 | 308 | CLA | O2A-CGA-O1A | -2.76 | 116.43 | 123.30 |
| 14 | 13 | 313 | A86 | C25-C26-C27 | 2.76 | 131.24 | 127.31 |
| 12 | 8 | 306 | KC1 | C4C-C3C-C2C | -2.75 | 102.88 | 106.90 |
| 11 | 6 | 304 | CLA | CHD-C4C-NC | 2.75 | 128.54 | 124.20 |
| 12 | 7 | 312 | KC1 | CAC-C3C-C4C | 2.75 | 128.38 | 124.81 |
| 11 | 8 | 304 | CLA | O2D-CGD-O1D | -2.75 | 118.45 | 123.84 |
| 11 | 10 | 304 | CLA | CHD-C4C-NC | 2.75 | 128.54 | 124.20 |
| 11 | 15 | 313 | CLA | O2A-CGA-CBA | 2.75 | 120.54 | 111.91 |
| 12 | 11 | 306 | KC1 | CAC-C3C-C4C | 2.75 | 128.38 | 124.81 |
| 11 | 13 | 302 | CLA | CHD-C4C-NC | 2.75 | 128.53 | 124.20 |
| 12 | 12 | 305 | KC1 | CMB-C2B-C1B | 2.75 | 129.55 | 124.71 |
| 11 | 12 | 321 | CLA | CAA-C2A-C3A | -2.75 | 105.26 | 112.78 |
| 14 | 13 | 315 | A86 | C36-C31-C32 | -2.75 | 116.97 | 119.70 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 14 | 302 | CLA | C4C-C3C-C2C | -2.74 | 102.90 | 106.90 |
| 14 | 14 | 314 | A86 | C3-C4-C5 | 2.74 | 129.09 | 123.47 |
| 11 | 13 | 302 | CLA | CAC-C3C-C4C | 2.74 | 128.37 | 124.81 |
| 11 | 12 | 308 | CLA | C1-C2-C3 | -2.74 | 121.30 | 126.04 |
| 11 | 12 | 303 | CLA | CHD-C4C-NC | 2.74 | 128.52 | 124.20 |
| 11 | 6 | 303 | CLA | O2D-CGD-O1D | -2.74 | 118.48 | 123.84 |
| 11 | 14 | 302 | CLA | CMC-C2C-C1C | 2.74 | 129.21 | 125.04 |
| 11 | 13 | 307 | CLA | CAA-C2A-C3A | -2.74 | 105.29 | 112.78 |
| 11 | 7 | 302 | CLA | C3B-C4B-NB | 2.74 | 112.75 | 109.21 |
| 11 | 15 | 302 | CLA | C3B-C4B-NB | 2.74 | 112.75 | 109.21 |
| 11 | 6 | 306 | CLA | O2A-CGA-O1A | -2.73 | 116.69 | 123.59 |
| 11 | 7 | 303 | CLA | CHD-C4C-NC | 2.73 | 128.51 | 124.20 |
| 14 | 6 | 317 | A86 | C28-C27-C26 | -2.73 | 119.10 | 122.92 |
| 13 | 7 | 316 | DD6 | O1-C20-C21 | -2.73 | 111.78 | 115.06 |
| 13 | 8 | 316 | DD6 | C20-C19-C18 | -2.73 | 107.34 | 112.75 |
| 11 | 6 | 304 | CLA | O2A-CGA-CBA | 2.73 | 120.48 | 111.91 |
| 11 | 15 | 307 | CLA | CBC-CAC-C3C | -2.73 | 104.90 | 112.43 |
| 11 | 16 | 309 | CLA | CAC-C3C-C4C | 2.73 | 128.35 | 124.81 |
| 11 | 7 | 302 | CLA | O2D-CGD-O1D | -2.73 | 118.51 | 123.84 |
| 11 | 7 | 309 | CLA | C4-C3-C5 | 2.73 | 119.86 | 115.27 |
| 11 | 8 | 302 | CLA | CHC-C1C-C2C | -2.73 | 119.18 | 126.72 |
| 11 | 11 | 309 | CLA | CHD-C4C-NC | 2.73 | 128.50 | 124.20 |
| 12 | 8 | 306 | KC1 | CAC-C3C-C4C | 2.73 | 128.35 | 124.81 |
| 12 | 8 | 306 | KC1 | CHD-C4C-NC | 2.72 | 128.34 | 124.20 |
| 11 | 7 | 308 | CLA | CHD-C4C-NC | 2.72 | 128.49 | 124.20 |
| 11 | 14 | 303 | CLA | C4C-C3C-C2C | -2.72 | 102.93 | 106.90 |
| 13 | 7 | 316 | DD6 | C21-C20-C19 | -2.72 | 111.22 | 114.28 |
| 11 | 12 | 310 | CLA | CAC-C3C-C4C | 2.72 | 128.34 | 124.81 |
| 11 | 14 | 307 | CLA | CHC-C1C-C2C | -2.72 | 119.20 | 126.72 |
| 12 | 13 | 305 | KC1 | CAA-CBA-CGA | -2.72 | 113.30 | 127.26 |
| 12 | 11 | 311 | KC1 | CHD-C4C-NC | 2.72 | 128.32 | 124.20 |
| 11 | 12 | 302 | CLA | C1-C2-C3 | -2.72 | 121.35 | 126.04 |
| 13 | 12 | 317 | DD6 | C22-C16-C15 | 2.71 | 117.38 | 110.05 |
| 11 | 13 | 307 | CLA | C4-C3-C5 | 2.71 | 119.84 | 115.27 |
| 12 | 13 | 310 | KC1 | CAA-CBA-CGA | -2.71 | 113.31 | 127.26 |
| 11 | 12 | 308 | CLA | CHD-C4C-NC | 2.71 | 128.48 | 124.20 |
| 11 | 13 | 303 | CLA | C4C-C3C-C2C | -2.71 | 102.94 | 106.90 |
| 11 | 13 | 301 | CLA | CHB-C4A-NA | 2.71 | 128.26 | 124.51 |
| 11 | 6 | 301 | CLA | CAC-C3C-C4C | 2.71 | 128.33 | 124.81 |
| 11 | 11 | 309 | CLA | CMB-C2B-C3B | 2.71 | 129.75 | 124.68 |
| 14 | 10 | 301 | A86 | O1-C15-C14 | -2.71 | 107.77 | 113.21 |
| 11 | 12 | 321 | CLA | O2A-CGA-CBA | 2.71 | 120.41 | 111.91 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 16 | 310 | CLA | CAC-C3C-C4C | 2.71 | 128.32 | 124.81 |
| 14 | 15 | 315 | A86 | C10-C9-C8 | 2.71 | 131.67 | 123.22 |
| 11 | 6 | 313 | CLA | O2A-CGA-CBA | 2.71 | 120.41 | 111.91 |
| 11 | 12 | 304 | CLA | O2A-CGA-O1A | -2.71 | 116.76 | 123.59 |
| 11 | 14 | 305 | CLA | CMB-C2B-C3B | 2.71 | 129.74 | 124.68 |
| 11 | 6 | 302 | CLA | C4C-C3C-C2C | -2.71 | 102.95 | 106.90 |
| 11 | 11 | 308 | CLA | CMC-C2C-C1C | 2.71 | 129.16 | 125.04 |
| 11 | 8 | 301 | CLA | CHB-C4A-NA | 2.71 | 128.25 | 124.51 |
| 12 | 13 | 312 | KC1 | C4C-C3C-C2C | -2.71 | 102.95 | 106.90 |
| 11 | 7 | 305 | CLA | O2D-CGD-O1D | -2.70 | 118.55 | 123.84 |
| 11 | 12 | 306 | CLA | CBC-CAC-C3C | -2.70 | 104.98 | 112.43 |
| 11 | 15 | 308 | CLA | CHB-C4A-NA | 2.70 | 128.25 | 124.51 |
| 11 | 11 | 303 | CLA | CHC-C1C-C2C | -2.70 | 119.25 | 126.72 |
| 11 | 10 | 305 | CLA | CHD-C4C-NC | 2.70 | 128.46 | 124.20 |
| 11 | 16 | 305 | CLA | CHD-C4C-NC | 2.70 | 128.46 | 124.20 |
| 11 | 6 | 307 | CLA | C4C-C3C-C2C | -2.70 | 102.96 | 106.90 |
| 11 | 7 | 306 | CLA | CMB-C2B-C3B | 2.70 | 129.73 | 124.68 |
| 11 | 11 | 307 | CLA | CMB-C2B-C3B | 2.70 | 129.73 | 124.68 |
| 11 | 10 | 307 | CLA | CHD-C4C-NC | 2.70 | 128.45 | 124.20 |
| 11 | 15 | 305 | CLA | O2D-CGD-O1D | -2.70 | 118.57 | 123.84 |
| 14 | 15 | 316 | A86 | C3-C4-C5 | -2.70 | 117.95 | 123.47 |
| 14 | 7 | 314 | A86 | C9-C10-C11 | -2.70 | 118.68 | 126.61 |
| 14 | 15 | 322 | A86 | C4-C5-C6 | -2.69 | 123.47 | 127.31 |
| 14 | 14 | 321 | A86 | C4-C3-C2 | 2.69 | 128.99 | 123.47 |
| 11 | 16 | 305 | CLA | CBC-CAC-C3C | -2.69 | 105.02 | 112.43 |
| 11 | 16 | 303 | CLA | CHC-C1C-C2C | -2.69 | 119.28 | 126.72 |
| 11 | 10 | 305 | CLA | O2D-CGD-O1D | -2.69 | 118.58 | 123.84 |
| 14 | 7 | 315 | A86 | C9-C8-C6 | -2.69 | 118.86 | 126.42 |
| 11 | 16 | 306 | CLA | CMA-C3A-C2A | -2.69 | 102.98 | 113.83 |
| 11 | 15 | 308 | CLA | C3B-C4B-NB | 2.69 | 112.69 | 109.21 |
| 11 | 10 | 309 | CLA | CAC-C3C-C4C | 2.69 | 128.29 | 124.81 |
| 11 | 14 | 303 | CLA | CHB-C4A-NA | 2.68 | 128.22 | 124.51 |
| 11 | 12 | 308 | CLA | O2A-CGA-CBA | 2.68 | 120.33 | 111.91 |
| 11 | 10 | 305 | CLA | CAC-C3C-C4C | 2.68 | 128.29 | 124.81 |
| 11 | 15 | 311 | CLA | CAC-C3C-C4C | 2.68 | 128.29 | 124.81 |
| 11 | 15 | 313 | CLA | CAA-C2A-C3A | -2.68 | 105.44 | 112.78 |
| 12 | 14 | 308 | KC1 | O2D-CGD-O1D | -2.68 | 118.60 | 123.84 |
| 14 | 12 | 316 | A86 | C36-C31-C32 | -2.68 | 117.04 | 119.70 |
| 11 | 12 | 304 | CLA | CHD-C4C-NC | 2.68 | 128.42 | 124.20 |
| 11 | 7 | 309 | CLA | CHB-C4A-NA | 2.68 | 128.22 | 124.51 |
| 14 | 15 | 315 | A86 | C22-C16-C17 | -2.68 | 104.33 | 108.98 |
| 12 | 8 | 313 | KC1 | CMB-C2B-C1B | 2.68 | 129.43 | 124.71 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 14 | 14 | 315 | A86 | C4-C3-C2 | -2.68 | 117.99 | 123.47 |
| 13 | 8 | 317 | DD6 | C21-C20-C15 | -2.67 | 117.78 | 122.26 |
| 14 | 12 | 314 | A86 | C9-C10-C11 | -2.67 | 118.75 | 126.61 |
| 13 | 8 | 317 | DD6 | C4-C3-C2 | -2.67 | 118.00 | 123.47 |
| 12 | 10 | 310 | KC1 | CAC-C3C-C4C | 2.67 | 128.28 | 124.81 |
| 11 | 16 | 302 | CLA | C4-C3-C5 | 2.67 | 119.77 | 115.27 |
| 12 | 6 | 308 | KC1 | CHD-C4C-NC | 2.67 | 128.26 | 124.20 |
| 14 | 12 | 316 | A86 | C3-C4-C5 | -2.67 | 118.00 | 123.47 |
| 12 | 8 | 312 | KC1 | CHD-C4C-NC | 2.67 | 128.25 | 124.20 |
| 11 | 11 | 307 | CLA | C3B-C4B-NB | 2.67 | 112.66 | 109.21 |
| 13 | 7 | 316 | DD6 | C23-C16-C17 | -2.67 | 104.34 | 108.98 |
| 11 | 12 | 310 | CLA | CHD-C4C-NC | 2.67 | 128.41 | 124.20 |
| 12 | 13 | 312 | KC1 | CAC-C3C-C4C | 2.67 | 128.27 | 124.81 |
| 13 | 7 | 316 | DD6 | C14-C13-C11 | -2.67 | 121.39 | 125.53 |
| 12 | 13 | 305 | KC1 | CHD-C4C-NC | 2.67 | 128.25 | 124.20 |
| 11 | 12 | 308 | CLA | CMB-C2B-C3B | 2.67 | 129.67 | 124.68 |
| 11 | 14 | 305 | CLA | CAC-C3C-C4C | 2.67 | 128.27 | 124.81 |
| 14 | 12 | 314 | A86 | C12-C11-C13 | 2.67 | 120.50 | 116.02 |
| 11 | 6 | 304 | CLA | C1-C2-C3 | -2.67 | 121.43 | 126.04 |
| 11 | 15 | 304 | CLA | O2A-C1-C2 | 2.67 | 115.64 | 108.64 |
| 13 | 6 | 315 | DD6 | C37-C36-C35 | -2.67 | 109.42 | 114.36 |
| 11 | 13 | 304 | CLA | CHD-C4C-NC | 2.66 | 128.40 | 124.20 |
| 11 | 6 | 302 | CLA | CBC-CAC-C3C | -2.66 | 105.09 | 112.43 |
| 11 | 6 | 306 | CLA | O2D-CGD-O1D | -2.66 | 118.64 | 123.84 |
| 11 | 6 | 302 | CLA | CAA-C2A-C3A | -2.66 | 105.49 | 112.78 |
| 11 | 11 | 309 | CLA | CAC-C3C-C4C | 2.66 | 128.26 | 124.81 |
| 14 | 14 | 301 | A86 | C20-C19-C18 | -2.66 | 107.49 | 112.75 |
| 11 | 15 | 303 | CLA | O2D-CGD-O1D | -2.66 | 118.64 | 123.84 |
| 12 | 12 | 305 | KC1 | CAC-C3C-C4C | 2.66 | 128.26 | 124.81 |
| 11 | 8 | 302 | CLA | O2A-CGA-CBA | 2.66 | 120.25 | 111.91 |
| 11 | 16 | 307 | CLA | CHD-C4C-NC | 2.66 | 128.39 | 124.20 |
| 11 | 14 | 312 | CLA | CHD-C4C-NC | 2.66 | 128.39 | 124.20 |
| 11 | 7 | 310 | CLA | C1-C2-C3 | -2.66 | 121.45 | 126.04 |
| 11 | 13 | 302 | CLA | CAA-C2A-C3A | -2.66 | 105.51 | 112.78 |
| 11 | 7 | 306 | CLA | O2A-CGA-CBA | 2.66 | 120.24 | 111.91 |
| 11 | 7 | 303 | CLA | CAC-C3C-C4C | 2.66 | 128.25 | 124.81 |
| 11 | 16 | 309 | CLA | CHD-C4C-NC | 2.65 | 128.39 | 124.20 |
| 13 | 16 | 313 | DD6 | C23-C16-C15 | -2.65 | 102.88 | 110.05 |
| 11 | 14 | 304 | CLA | CHD-C4C-NC | 2.65 | 128.39 | 124.20 |
| 11 | 12 | 302 | CLA | O2A-CGA-O1A | -2.65 | 116.89 | 123.59 |
| 11 | 13 | 303 | CLA | O2D-CGD-O1D | -2.65 | 118.65 | 123.84 |
| 11 | 10 | 308 | CLA | C1-C2-C3 | -2.65 | 121.46 | 126.04 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 13 | 311 | KC1 | C4C-C3C-C2C | -2.65 | 103.03 | 106.90 |
| 14 | 12 | 316 | A86 | C9-C10-C11 | -2.65 | 118.82 | 126.61 |
| 14 | 14 | 318 | A86 | C4-C3-C2 | -2.65 | 118.05 | 123.47 |
| 11 | 15 | 309 | CLA | O2A-CGA-CBA | 2.65 | 120.22 | 111.91 |
| 14 | 16 | 312 | A86 | C9-C8-C6 | 2.65 | 133.85 | 126.42 |
| 14 | 14 | 317 | A86 | C35-C34-C33 | 2.65 | 114.49 | 109.88 |
| 11 | 11 | 303 | CLA | CAC-C3C-C4C | 2.65 | 128.24 | 124.81 |
| 11 | 14 | 313 | CLA | CAC-C3C-C4C | 2.65 | 128.24 | 124.81 |
| 12 | 12 | 311 | KC1 | CHD-C4C-NC | 2.65 | 128.22 | 124.20 |
| 14 | 14 | 320 | A86 | C40-C32-C31 | -2.64 | 108.11 | 110.47 |
| 11 | 14 | 312 | CLA | CMB-C2B-C3B | 2.64 | 129.62 | 124.68 |
| 11 | 14 | 303 | CLA | C1-C2-C3 | -2.64 | 121.47 | 126.04 |
| 14 | 10 | 302 | A86 | C40-C32-C31 | -2.64 | 108.11 | 110.47 |
| 11 | 11 | 309 | CLA | C1-C2-C3 | -2.64 | 121.47 | 126.04 |
| 11 | 6 | 311 | CLA | C1-C2-C3 | -2.64 | 121.48 | 126.04 |
| 11 | 11 | 307 | CLA | C1-O2A-CGA | 2.64 | 123.36 | 116.44 |
| 13 | 15 | 318 | DD6 | C32-C33-C34 | 2.64 | 119.60 | 113.64 |
| 11 | 6 | 314 | CLA | CMB-C2B-C3B | 2.64 | 129.61 | 124.68 |
| 11 | 15 | 302 | CLA | CHC-C1C-C2C | -2.64 | 119.43 | 126.72 |
| 11 | 6 | 302 | CLA | C1-C2-C3 | -2.64 | 121.48 | 126.04 |
| 11 | 12 | 312 | CLA | CBC-CAC-C3C | -2.64 | 105.17 | 112.43 |
| 14 | 14 | 317 | A86 | C9-C10-C11 | -2.63 | 118.86 | 126.61 |
| 11 | 15 | 304 | CLA | CHB-C4A-NA | 2.63 | 128.15 | 124.51 |
| 11 | 15 | 312 | CLA | C2A-C3A-C4A | -2.63 | 97.62 | 101.87 |
| 11 | 8 | 301 | CLA | CHC-C1C-C2C | -2.63 | 119.44 | 126.72 |
| 12 | 12 | 309 | KC1 | O2D-CGD-O1D | -2.63 | 118.69 | 123.84 |
| 14 | 7 | 318 | A86 | C23-C16-C17 | -2.63 | 104.41 | 108.98 |
| 14 | 8 | 315 | A86 | C20-C19-C18 | -2.63 | 107.54 | 112.75 |
| 11 | 15 | 309 | CLA | C4-C3-C5 | 2.63 | 119.70 | 115.27 |
| 11 | 7 | 304 | CLA | CHD-C4C-NC | 2.63 | 128.35 | 124.20 |
| 11 | 6 | 307 | CLA | CHD-C4C-NC | 2.63 | 128.35 | 124.20 |
| 11 | 10 | 307 | CLA | C3B-C4B-NB | 2.63 | 112.61 | 109.21 |
| 11 | 15 | 307 | CLA | CAC-C3C-C4C | 2.63 | 128.22 | 124.81 |
| 11 | 7 | 305 | CLA | CAA-C2A-C3A | -2.63 | 105.58 | 112.78 |
| 11 | 7 | 310 | CLA | O2A-CGA-CBA | 2.63 | 120.16 | 111.91 |
| 11 | 15 | 308 | CLA | CAA-C2A-C3A | -2.63 | 105.58 | 112.78 |
| 11 | 7 | 304 | CLA | CBC-CAC-C3C | -2.63 | 105.19 | 112.43 |
| 11 | 11 | 309 | CLA | O2A-CGA-CBA | 2.63 | 120.15 | 111.91 |
| 11 | 6 | 303 | CLA | CMB-C2B-C3B | 2.63 | 129.59 | 124.68 |
| 11 | 14 | 307 | CLA | C1-C2-C3 | -2.63 | 121.50 | 126.04 |
| 11 | 8 | 303 | CLA | CMB-C2B-C3B | 2.63 | 129.59 | 124.68 |
| 12 | 16 | 304 | KC1 | O2D-CGD-O1D | -2.62 | 118.71 | 123.84 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 7 | 306 | CLA | C4-C3-C5 | 2.62 | 119.69 | 115.27 |
| 11 | 13 | 301 | CLA | O2D-CGD-O1D | -2.62 | 118.71 | 123.84 |
| 11 | 15 | 308 | CLA | O2D-CGD-O1D | -2.62 | 118.71 | 123.84 |
| 14 | 13 | 313 | A86 | C4-C3-C2 | -2.62 | 118.10 | 123.47 |
| 11 | 16 | 301 | CLA | C4-C3-C5 | 2.62 | 119.68 | 115.27 |
| 12 | 8 | 313 | KC1 | C1C-C2C-C3C | -2.62 | 104.20 | 106.96 |
| 11 | 6 | 311 | CLA | CMC-C2C-C1C | 2.62 | 129.03 | 125.04 |
| 12 | 12 | 311 | KC1 | O2D-CGD-O1D | -2.62 | 118.71 | 123.84 |
| 13 | 7 | 301 | DD6 | O1-C20-C21 | -2.62 | 111.92 | 115.06 |
| 11 | 8 | 301 | CLA | O2A-CGA-CBA | 2.62 | 120.13 | 111.91 |
| 11 | 14 | 310 | CLA | CMB-C2B-C3B | 2.62 | 129.58 | 124.68 |
| 12 | 16 | 311 | KC1 | O2D-CGD-O1D | -2.62 | 118.72 | 123.84 |
| 11 | 15 | 303 | CLA | CAC-C3C-C4C | 2.62 | 128.21 | 124.81 |
| 11 | 13 | 304 | CLA | CMB-C2B-C3B | 2.62 | 129.58 | 124.68 |
| 11 | 6 | 314 | CLA | CHB-C4A-NA | 2.62 | 128.13 | 124.51 |
| 12 | 16 | 311 | KC1 | CHD-C4C-NC | 2.62 | 128.17 | 124.20 |
| 11 | 13 | 303 | CLA | C4-C3-C5 | 2.62 | 119.67 | 115.27 |
| 14 | 14 | 315 | A86 | O1-C15-C14 | 2.62 | 118.46 | 113.21 |
| 14 | 12 | 314 | A86 | C26-C25-C24 | -2.62 | 115.05 | 123.22 |
| 11 | 16 | 301 | CLA | CHB-C4A-NA | 2.62 | 128.13 | 124.51 |
| 11 | 7 | 311 | CLA | CMB-C2B-C3B | 2.61 | 129.57 | 124.68 |
| 12 | 7 | 312 | KC1 | CHB-C4A-NA | 2.61 | 128.32 | 124.20 |
| 12 | 6 | 305 | KC1 | O2D-CGD-O1D | -2.61 | 118.73 | 123.84 |
| 12 | 8 | 313 | KC1 | CAC-C3C-C4C | 2.61 | 128.20 | 124.81 |
| 11 | 7 | 310 | CLA | CMB-C2B-C3B | 2.61 | 129.56 | 124.68 |
| 11 | 14 | 304 | CLA | CAA-C2A-C3A | -2.61 | 105.63 | 112.78 |
| 14 | 15 | 316 | A86 | C34-O4-C38 | -2.61 | 113.03 | 117.90 |
| 11 | 6 | 301 | CLA | CHB-C4A-NA | 2.61 | 128.12 | 124.51 |
| 11 | 14 | 305 | CLA | CHD-C4C-NC | 2.61 | 128.31 | 124.20 |
| 11 | 14 | 310 | CLA | CHD-C4C-NC | 2.61 | 128.31 | 124.20 |
| 11 | 10 | 304 | CLA | C1-C2-C3 | -2.61 | 121.53 | 126.04 |
| 11 | 12 | 307 | CLA | CMA-C3A-C2A | -2.61 | 103.31 | 113.83 |
| 12 | 8 | 314 | KC1 | CHD-C4C-NC | 2.61 | 128.16 | 124.20 |
| 11 | 8 | 309 | CLA | CHD-C4C-NC | 2.61 | 128.31 | 124.20 |
| 11 | 7 | 306 | CLA | CHC-C1C-C2C | -2.61 | 119.51 | 126.72 |
| 12 | 8 | 311 | KC1 | O1D-CGD-CBD | -2.61 | 119.15 | 124.48 |
| 11 | 14 | 302 | CLA | CMB-C2B-C3B | 2.60 | 129.55 | 124.68 |
| 11 | 11 | 303 | CLA | CMB-C2B-C3B | 2.60 | 129.55 | 124.68 |
| 12 | 13 | 311 | KC1 | CMB-C2B-C1B | 2.60 | 129.30 | 124.71 |
| 11 | 8 | 308 | CLA | CHB-C4A-NA | 2.60 | 128.11 | 124.51 |
| 11 | 12 | 310 | CLA | O2D-CGD-O1D | -2.60 | 118.75 | 123.84 |
| 11 | 7 | 310 | CLA | O2D-CGD-O1D | -2.60 | 118.75 | 123.84 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 13 | 312 | KC1 | CBA-CAA-C2A | -2.60 | 115.36 | 125.27 |
| 11 | 6 | 312 | CLA | CHD-C4C-NC | 2.60 | 128.30 | 124.20 |
| 12 | 8 | 306 | KC1 | CMC-C2C-C1C | 2.60 | 129.00 | 125.04 |
| 11 | 15 | 308 | CLA | CAA-CBA-CGA | 2.60 | 119.40 | 112.51 |
| 11 | 11 | 308 | CLA | CHD-C4C-NC | 2.60 | 128.29 | 124.20 |
| 11 | 13 | 309 | CLA | CHB-C4A-NA | 2.60 | 128.10 | 124.51 |
| 11 | 15 | 309 | CLA | CHB-C4A-NA | 2.60 | 128.10 | 124.51 |
| 11 | 11 | 308 | CLA | O2D-CGD-O1D | -2.60 | 118.76 | 123.84 |
| 11 | 6 | 306 | CLA | O2A-C1-C2 | 2.60 | 115.46 | 108.64 |
| 14 | 12 | 316 | A86 | O-C13-C11 | -2.59 | 115.42 | 121.15 |
| 14 | 15 | 317 | A86 | C3-C4-C5 | -2.59 | 118.16 | 123.47 |
| 11 | 14 | 303 | CLA | CBC-CAC-C3C | -2.59 | 105.28 | 112.43 |
| 12 | 13 | 306 | KC1 | CMC-C2C-C1C | 2.59 | 128.99 | 125.04 |
| 14 | 11 | 314 | A86 | C26-C25-C24 | -2.59 | 115.13 | 123.22 |
| 11 | 12 | 307 | CLA | C3B-C4B-NB | 2.59 | 112.56 | 109.21 |
| 11 | 12 | 303 | CLA | C4-C3-C5 | 2.59 | 119.63 | 115.27 |
| 11 | 12 | 307 | CLA | C1C-C2C-C3C | -2.59 | 104.23 | 106.96 |
| 11 | 13 | 302 | CLA | C4-C3-C5 | 2.59 | 119.62 | 115.27 |
| 11 | 15 | 310 | CLA | CHD-C4C-NC | 2.59 | 128.28 | 124.20 |
| 11 | 6 | 301 | CLA | C4C-C3C-C2C | -2.59 | 103.13 | 106.90 |
| 14 | 7 | 315 | A86 | C12-C11-C13 | 2.59 | 120.37 | 116.02 |
| 14 | 15 | 321 | A86 | C7-C6-C8 | 2.59 | 122.15 | 118.08 |
| 11 | 12 | 302 | CLA | CHC-C1C-C2C | -2.58 | 119.57 | 126.72 |
| 11 | 14 | 313 | CLA | CBC-CAC-C3C | -2.58 | 105.31 | 112.43 |
| 12 | 11 | 306 | KC1 | O2D-CGD-O1D | -2.58 | 118.79 | 123.84 |
| 13 | 7 | 313 | DD6 | C10-C9-C8 | -2.58 | 115.16 | 123.22 |
| 12 | 8 | 314 | KC1 | CHB-C4A-NA | 2.58 | 128.27 | 124.20 |
| 12 | 11 | 306 | KC1 | CMB-C2B-C1B | 2.58 | 129.26 | 124.71 |
| 11 | 11 | 308 | CLA | C1-C2-C3 | -2.58 | 121.58 | 126.04 |
| 13 | 6 | 316 | DD6 | C9-C8-C6 | -2.58 | 119.17 | 126.42 |
| 13 | 13 | 314 | DD6 | C19-C18-C17 | 2.58 | 115.75 | 110.77 |
| 11 | 16 | 307 | CLA | CMB-C2B-C3B | 2.58 | 129.50 | 124.68 |
| 14 | 10 | 315 | A86 | C22-C16-C17 | -2.58 | 104.51 | 108.98 |
| 13 | 15 | 319 | DD6 | C19-C18-C17 | 2.57 | 115.75 | 110.77 |
| 11 | 15 | 306 | CLA | CAC-C3C-C4C | 2.57 | 128.15 | 124.81 |
| 11 | 6 | 311 | CLA | C4C-C3C-C2C | -2.57 | 103.15 | 106.90 |
| 11 | 15 | 313 | CLA | CMB-C2B-C3B | 2.57 | 129.49 | 124.68 |
| 16 | 8 | 323 | LMG | O2-C2-C1 | -2.57 | 103.80 | 110.05 |
| 13 | 8 | 316 | DD6 | C4-C3-C2 | -2.57 | 118.20 | 123.47 |
| 11 | 7 | 304 | CLA | C1-C2-C3 | -2.57 | 121.59 | 126.04 |
| 11 | 10 | 308 | CLA | CHC-C1C-C2C | -2.57 | 119.61 | 126.72 |
| 11 | 7 | 308 | CLA | CMC-C2C-C1C | 2.57 | 128.96 | 125.04 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 8 | 305 | CLA | CHC-C1C-C2C | -2.57 | 119.61 | 126.72 |
| 11 | 8 | 308 | CLA | CAC-C3C-C4C | 2.57 | 128.14 | 124.81 |
| 14 | 8 | 318 | A86 | C7-C6-C5 | 2.57 | 126.52 | 122.92 |
| 11 | 7 | 305 | CLA | CHB-C4A-NA | 2.57 | 128.06 | 124.51 |
| 11 | 12 | 304 | CLA | C1-C2-C3 | -2.57 | 121.60 | 126.04 |
| 11 | 16 | 305 | CLA | O2A-CGA-CBA | 2.57 | 119.96 | 111.91 |
| 14 | 15 | 315 | A86 | C20-C19-C18 | -2.57 | 107.67 | 112.75 |
| 11 | 10 | 305 | CLA | C4-C3-C5 | 2.56 | 119.58 | 115.27 |
| 11 | 10 | 309 | CLA | O2D-CGD-CBD | 2.56 | 115.82 | 111.27 |
| 11 | 8 | 309 | CLA | CHB-C4A-NA | 2.56 | 128.05 | 124.51 |
| 14 | 7 | 315 | A86 | C40-C32-C31 | -2.56 | 108.18 | 110.47 |
| 11 | 13 | 301 | CLA | O2A-CGA-CBA | 2.56 | 119.94 | 111.91 |
| 11 | 15 | 314 | CLA | CAA-C2A-C3A | -2.56 | 105.77 | 112.78 |
| 12 | 12 | 309 | KC1 | CBC-CAC-C3C | -2.56 | 105.38 | 112.43 |
| 11 | 6 | 301 | CLA | CMC-C2C-C1C | 2.56 | 128.93 | 125.04 |
| 11 | 12 | 310 | CLA | CMC-C2C-C1C | 2.56 | 128.93 | 125.04 |
| 11 | 8 | 303 | CLA | O2A-CGA-CBA | 2.56 | 119.93 | 111.91 |
| 15 | 6 | 319 | LHG | C11-C10-C9 | -2.56 | 101.45 | 114.42 |
| 14 | 12 | 314 | A86 | C24-C1-C2 | -2.56 | 115.02 | 118.94 |
| 11 | 15 | 312 | CLA | CMD-C2D-C3D | -2.56 | 121.74 | 127.61 |
| 11 | 14 | 307 | CLA | CMC-C2C-C1C | 2.56 | 128.93 | 125.04 |
| 11 | 16 | 308 | CLA | CHD-C4C-NC | 2.55 | 128.23 | 124.20 |
| 11 | 7 | 302 | CLA | C6-C7-C8 | -2.55 | 107.66 | 115.92 |
| 11 | 13 | 307 | CLA | CHB-C4A-NA | 2.55 | 128.04 | 124.51 |
| 12 | 8 | 307 | KC1 | CBC-CAC-C3C | -2.55 | 105.39 | 112.43 |
| 12 | 13 | 310 | KC1 | O2D-CGD-O1D | -2.55 | 118.85 | 123.84 |
| 12 | 10 | 310 | KC1 | CHD-C4C-NC | 2.55 | 128.07 | 124.20 |
| 11 | 6 | 302 | CLA | CMC-C2C-C1C | 2.55 | 128.93 | 125.04 |
| 13 | 10 | 313 | DD6 | C25-C24-C1 | -2.55 | 119.25 | 126.42 |
| 11 | 6 | 304 | CLA | CMB-C2B-C3B | 2.55 | 129.45 | 124.68 |
| 14 | 15 | 322 | A86 | C23-C16-C17 | -2.55 | 104.55 | 108.98 |
| 11 | 12 | 304 | CLA | CBC-CAC-C3C | -2.55 | 105.40 | 112.43 |
| 11 | 14 | 307 | CLA | C1-O2A-CGA | 2.55 | 123.13 | 116.44 |
| 11 | 15 | 307 | CLA | CHD-C4C-NC | 2.55 | 128.21 | 124.20 |
| 11 | 6 | 307 | CLA | C4-C3-C5 | 2.54 | 119.55 | 115.27 |
| 12 | 16 | 304 | KC1 | CMB-C2B-C1B | 2.54 | 129.19 | 124.71 |
| 11 | 15 | 314 | CLA | CHD-C4C-NC | 2.54 | 128.21 | 124.20 |
| 13 | 10 | 313 | DD6 | C22-C16-C17 | -2.54 | 104.57 | 108.98 |
| 12 | 6 | 305 | KC1 | CMC-C2C-C1C | 2.54 | 128.91 | 125.04 |
| 11 | 10 | 303 | CLA | CBA-CAA-C2A | 2.54 | 121.36 | 113.86 |
| 11 | 8 | 308 | CLA | CMB-C2B-C3B | 2.54 | 129.43 | 124.68 |
| 13 | 8 | 317 | DD6 | C15-C14-C13 | -2.54 | 120.62 | 125.99 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 12 | 309 | KC1 | CHB-C4A-NA | 2.54 | 128.21 | 124.20 |
| 16 | 7 | 319 | LMG | O1-C7-C8 | -2.54 | 104.77 | 110.90 |
| 11 | 15 | 303 | CLA | CHD-C4C-NC | 2.54 | 128.20 | 124.20 |
| 13 | 12 | 317 | DD6 | C3-C4-C5 | -2.54 | 118.28 | 123.47 |
| 11 | 14 | 303 | CLA | CMC-C2C-C1C | 2.54 | 128.90 | 125.04 |
| 11 | 14 | 303 | CLA | CBA-CAA-C2A | 2.54 | 121.35 | 113.86 |
| 11 | 14 | 302 | CLA | CHB-C4A-NA | 2.54 | 128.02 | 124.51 |
| 12 | 13 | 312 | KC1 | CMB-C2B-C1B | 2.54 | 129.19 | 124.71 |
| 11 | 15 | 309 | CLA | CAA-C2A-C3A | -2.54 | 105.83 | 112.78 |
| 11 | 8 | 303 | CLA | CHD-C4C-NC | 2.53 | 128.20 | 124.20 |
| 12 | 10 | 306 | KC1 | CHB-C4A-NA | 2.53 | 128.20 | 124.20 |
| 17 | 12 | 322 | LMT | O1B-C4'-C3' | 2.53 | 114.02 | 107.28 |
| 14 | 14 | 321 | A86 | C3-C2-C1 | 2.53 | 130.92 | 127.31 |
| 13 | 10 | 314 | DD6 | C23-C16-C15 | 2.53 | 116.88 | 110.05 |
| 11 | 6 | 314 | CLA | O2A-CGA-CBA | 2.53 | 119.85 | 111.91 |
| 14 | 11 | 314 | A86 | C23-C16-C22 | -2.53 | 103.64 | 107.37 |
| 14 | 14 | 319 | A86 | C7-C6-C5 | -2.53 | 119.38 | 122.92 |
| 11 | 11 | 309 | CLA | CAA-C2A-C3A | -2.53 | 105.86 | 112.78 |
| 11 | 11 | 309 | CLA | O2D-CGD-O1D | -2.53 | 118.90 | 123.84 |
| 14 | 10 | 301 | A86 | C7-C6-C8 | 2.53 | 122.06 | 118.08 |
| 11 | 8 | 309 | CLA | O2A-CGA-CBA | 2.53 | 119.83 | 111.91 |
| 12 | 12 | 313 | KC1 | CAC-C3C-C4C | 2.52 | 128.09 | 124.81 |
| 13 | 12 | 317 | DD6 | C20-C19-C18 | 2.52 | 117.74 | 112.75 |
| 11 | 13 | 303 | CLA | CMB-C2B-C3B | 2.52 | 129.40 | 124.68 |
| 12 | 13 | 308 | KC1 | CAC-C3C-C4C | 2.52 | 128.08 | 124.81 |
| 11 | 7 | 305 | CLA | CMB-C2B-C3B | 2.52 | 129.40 | 124.68 |
| 14 | 14 | 314 | A86 | C34-O4-C38 | -2.52 | 113.19 | 117.90 |
| 11 | 15 | 304 | CLA | CMB-C2B-C3B | 2.52 | 129.40 | 124.68 |
| 11 | 11 | 307 | CLA | O2D-CGD-O1D | -2.52 | 118.91 | 123.84 |
| 11 | 15 | 313 | CLA | CBC-CAC-C3C | -2.52 | 105.48 | 112.43 |
| 12 | 13 | 311 | KC1 | CBC-CAC-C3C | -2.52 | 105.48 | 112.43 |
| 11 | 12 | 310 | CLA | C4-C3-C5 | 2.52 | 119.51 | 115.27 |
| 12 | 8 | 311 | KC1 | CHD-C4C-NC | 2.52 | 128.03 | 124.20 |
| 12 | 8 | 314 | KC1 | O1D-CGD-CBD | -2.52 | 119.33 | 124.48 |
| 12 | 6 | 305 | KC1 | CAC-C3C-C4C | 2.52 | 128.08 | 124.81 |
| 11 | 11 | 305 | CLA | CMC-C2C-C1C | 2.52 | 128.88 | 125.04 |
| 11 | 7 | 305 | CLA | O2A-CGA-CBA | 2.52 | 119.81 | 111.91 |
| 11 | 13 | 303 | CLA | C1-C2-C3 | -2.52 | 121.69 | 126.04 |
| 14 | 14 | 314 | A86 | C23-C16-C17 | -2.52 | 104.61 | 108.98 |
| 11 | 6 | 313 | CLA | CHD-C4C-NC | 2.52 | 128.17 | 124.20 |
| 12 | 8 | 311 | KC1 | CHB-C4A-NA | 2.52 | 128.17 | 124.20 |
| 11 | 8 | 301 | CLA | CBA-CAA-C2A | 2.51 | 121.28 | 113.86 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 12 | 303 | CLA | CAC-C3C-C4C | 2.51 | 128.07 | 124.81 |
| 12 | 13 | 305 | KC1 | CHB-C4A-NA | 2.51 | 128.16 | 124.20 |
| 12 | 6 | 310 | KC1 | CMC-C2C-C1C | 2.51 | 128.86 | 125.04 |
| 11 | 12 | 303 | CLA | O2A-CGA-CBA | 2.51 | 119.78 | 111.91 |
| 12 | 12 | 311 | KC1 | CAA-CBA-CGA | -2.51 | 114.36 | 127.26 |
| 11 | 7 | 310 | CLA | CHD-C4C-NC | 2.51 | 128.16 | 124.20 |
| 12 | 8 | 312 | KC1 | CMC-C2C-C1C | 2.51 | 128.86 | 125.04 |
| 14 | 11 | 313 | A86 | C7-C6-C5 | -2.51 | 119.41 | 122.92 |
| 12 | 13 | 308 | KC1 | O2D-CGD-O1D | -2.51 | 118.94 | 123.84 |
| 11 | 12 | 306 | CLA | CHD-C4C-NC | 2.51 | 128.15 | 124.20 |
| 11 | 16 | 302 | CLA | CMC-C2C-C1C | 2.50 | 128.85 | 125.04 |
| 14 | 10 | 315 | A86 | C12-C11-C13 | 2.50 | 120.23 | 116.02 |
| 11 | 10 | 304 | CLA | CMC-C2C-C1C | 2.50 | 128.85 | 125.04 |
| 12 | 7 | 312 | KC1 | CBC-CAC-C3C | -2.50 | 105.53 | 112.43 |
| 14 | 14 | 314 | A86 | C25-C24-C1 | -2.50 | 119.39 | 126.42 |
| 12 | 8 | 307 | KC1 | CAC-C3C-C4C | 2.50 | 128.06 | 124.81 |
| 11 | 8 | 309 | CLA | CBC-CAC-C3C | -2.50 | 105.54 | 112.43 |
| 12 | 11 | 311 | KC1 | CHB-C4A-NA | 2.50 | 128.14 | 124.20 |
| 11 | 10 | 309 | CLA | O2A-CGA-CBA | 2.50 | 119.75 | 111.91 |
| 12 | 11 | 311 | KC1 | CAA-CBA-CGA | -2.50 | 114.42 | 127.26 |
| 11 | 12 | 308 | CLA | C4-C3-C5 | 2.50 | 119.47 | 115.27 |
| 14 | 15 | 317 | A86 | C12-C11-C13 | 2.50 | 120.22 | 116.02 |
| 11 | 16 | 310 | CLA | CBC-CAC-C3C | -2.50 | 105.54 | 112.43 |
| 11 | 14 | 310 | CLA | CMC-C2C-C1C | 2.50 | 128.84 | 125.04 |
| 11 | 12 | 321 | CLA | C4-C3-C5 | 2.50 | 119.47 | 115.27 |
| 14 | 15 | 315 | A86 | C9-C8-C6 | 2.50 | 133.43 | 126.42 |
| 11 | 13 | 304 | CLA | O2D-CGD-O1D | -2.49 | 118.96 | 123.84 |
| 11 | 12 | 310 | CLA | CAA-C2A-C3A | -2.49 | 105.95 | 112.78 |
| 13 | 10 | 313 | DD6 | C19-C18-C17 | 2.49 | 115.58 | 110.77 |
| 11 | 15 | 313 | CLA | O2D-CGD-O1D | -2.49 | 118.97 | 123.84 |
| 11 | 10 | 307 | CLA | CMC-C2C-C1C | 2.49 | 128.83 | 125.04 |
| 11 | 7 | 305 | CLA | C4-C3-C5 | 2.49 | 119.46 | 115.27 |
| 13 | 7 | 301 | DD6 | C23-C16-C22 | -2.49 | 103.70 | 107.37 |
| 11 | 7 | 306 | CLA | CHB-C4A-NA | 2.49 | 127.95 | 124.51 |
| 11 | 14 | 302 | CLA | CBC-CAC-C3C | -2.49 | 105.58 | 112.43 |
| 12 | 11 | 311 | KC1 | CHB-C1B-NB | -2.49 | 122.17 | 124.45 |
| 14 | 13 | 315 | A86 | C9-C8-C6 | -2.49 | 119.43 | 126.42 |
| 12 | 14 | 306 | KC1 | O1D-CGD-CBD | -2.49 | 119.40 | 124.48 |
| 12 | 13 | 308 | KC1 | CMB-C2B-C1B | 2.49 | 129.09 | 124.71 |
| 12 | 6 | 308 | KC1 | CHC-C4B-NB | -2.48 | 122.17 | 124.45 |
| 11 | 8 | 304 | CLA | CAC-C3C-C4C | 2.48 | 128.03 | 124.81 |
| 11 | 14 | 310 | CLA | CBC-CAC-C3C | -2.48 | 105.58 | 112.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 14 | 307 | CLA | O2A-CGA-CBA | 2.48 | 119.70 | 111.91 |
| 11 | 6 | 312 | CLA | CAA-C2A-C3A | -2.48 | 105.98 | 112.78 |
| 11 | 8 | 301 | CLA | CHD-C4C-NC | 2.48 | 128.12 | 124.20 |
| 11 | 7 | 310 | CLA | CBC-CAC-C3C | -2.48 | 105.59 | 112.43 |
| 11 | 12 | 307 | CLA | CHC-C1C-C2C | -2.48 | 119.86 | 126.72 |
| 12 | 7 | 307 | KC1 | CAA-C2A-C1A | -2.48 | 113.35 | 124.75 |
| 16 | 8 | 323 | LMG | O3-C3-C2 | -2.48 | 104.62 | 110.35 |
| 11 | 6 | 311 | CLA | O2D-CGD-O1D | -2.48 | 118.99 | 123.84 |
| 11 | 7 | 309 | CLA | O2A-CGA-CBA | 2.48 | 119.68 | 111.91 |
| 11 | 16 | 308 | CLA | CAA-C2A-C3A | -2.48 | 106.00 | 112.78 |
| 14 | 10 | 317 | A86 | C12-C11-C10 | -2.48 | 117.43 | 123.42 |
| 11 | 14 | 309 | CLA | CHD-C4C-NC | 2.48 | 128.10 | 124.20 |
| 11 | 6 | 311 | CLA | O2A-CGA-CBA | 2.47 | 119.67 | 111.91 |
| 14 | 16 | 314 | A86 | C12-C11-C13 | 2.47 | 120.18 | 116.02 |
| 11 | 6 | 307 | CLA | CAC-C3C-C4C | 2.47 | 128.02 | 124.81 |
| 11 | 7 | 302 | CLA | CHC-C1C-C2C | -2.47 | 119.89 | 126.72 |
| 11 | 12 | 312 | CLA | CMB-C2B-C3B | 2.47 | 129.30 | 124.68 |
| 11 | 13 | 303 | CLA | CBC-CAC-C3C | -2.47 | 105.62 | 112.43 |
| 11 | 7 | 302 | CLA | CHB-C4A-NA | 2.47 | 127.93 | 124.51 |
| 11 | 13 | 302 | CLA | CMC-C2C-C1C | 2.47 | 128.80 | 125.04 |
| 11 | 8 | 304 | CLA | CHB-C4A-NA | 2.47 | 127.92 | 124.51 |
| 12 | 11 | 304 | KC1 | CHB-C1B-NB | -2.46 | 122.19 | 124.45 |
| 12 | 16 | 304 | KC1 | CHD-C4C-NC | 2.46 | 127.94 | 124.20 |
| 14 | 11 | 315 | A86 | C-C1-C24 | 2.46 | 121.96 | 118.08 |
| 12 | 8 | 307 | KC1 | CAA-CBA-CGA | -2.46 | 114.60 | 127.26 |
| 11 | 15 | 305 | CLA | CHD-C4C-NC | 2.46 | 128.08 | 124.20 |
| 11 | 11 | 305 | CLA | O2A-CGA-CBA | 2.46 | 119.64 | 111.91 |
| 11 | 8 | 309 | CLA | CMB-C2B-C3B | 2.46 | 129.28 | 124.68 |
| 11 | 15 | 306 | CLA | CMB-C2B-C3B | 2.46 | 129.28 | 124.68 |
| 11 | 16 | 310 | CLA | O1D-CGD-CBD | 2.46 | 129.52 | 124.48 |
| 11 | 14 | 310 | CLA | O2D-CGD-O1D | -2.46 | 119.03 | 123.84 |
| 12 | 11 | 304 | KC1 | CMB-C2B-C1B | 2.46 | 129.05 | 124.71 |
| 16 | 8 | 321 | LMG | O3-C3-C2 | -2.46 | 104.67 | 110.35 |
| 12 | 8 | 310 | KC1 | CHB-C1B-NB | -2.46 | 122.20 | 124.45 |
| 14 | 10 | 302 | A86 | C3-C4-C5 | -2.46 | 118.44 | 123.47 |
| 11 | 12 | 304 | CLA | CHB-C4A-NA | 2.45 | 127.91 | 124.51 |
| 11 | 6 | 304 | CLA | O2D-CGD-O1D | -2.45 | 119.04 | 123.84 |
| 11 | 15 | 308 | CLA | CAA-C2A-C1A | 2.45 | 120.01 | 111.97 |
| 14 | 10 | 315 | A86 | C36-C31-C32 | -2.45 | 117.26 | 119.70 |
| 14 | 15 | 317 | A86 | C10-C9-C8 | -2.45 | 115.57 | 123.22 |
| 11 | 13 | 301 | CLA | CMB-C2B-C3B | 2.45 | 129.26 | 124.68 |
| 12 | 6 | 308 | KC1 | O2D-CGD-O1D | -2.45 | 119.05 | 123.84 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 14 | 14 | 321 | A86 | C7-C6-C5 | -2.45 | 119.49 | 122.92 |
| 12 | 7 | 307 | KC1 | CMB-C2B-C1B | 2.45 | 129.03 | 124.71 |
| 14 | 14 | 316 | A86 | C4-C3-C2 | -2.45 | 118.46 | 123.47 |
| 11 | 15 | 305 | CLA | CMB-C2B-C3B | 2.45 | 129.26 | 124.68 |
| 11 | 10 | 309 | CLA | CMB-C2B-C3B | 2.45 | 129.26 | 124.68 |
| 11 | 7 | 310 | CLA | CAA-C2A-C3A | -2.45 | 106.07 | 112.78 |
| 11 | 6 | 312 | CLA | CMB-C2B-C3B | 2.45 | 129.26 | 124.68 |
| 12 | 12 | 311 | KC1 | CBA-CAA-C2A | -2.45 | 115.94 | 125.27 |
| 11 | 11 | 303 | CLA | O2A-CGA-CBA | 2.45 | 119.58 | 111.91 |
| 11 | 16 | 309 | CLA | CMB-C2B-C3B | 2.44 | 129.25 | 124.68 |
| 11 | 15 | 306 | CLA | CHD-C4C-NC | 2.44 | 128.05 | 124.20 |
| 11 | 10 | 308 | CLA | CHB-C4A-NA | 2.44 | 127.89 | 124.51 |
| 14 | 12 | 316 | A86 | C35-C34-C33 | 2.44 | 114.14 | 109.88 |
| 11 | 14 | 303 | CLA | CMB-C2B-C3B | 2.44 | 129.25 | 124.68 |
| 11 | 7 | 310 | CLA | CMC-C2C-C1C | 2.44 | 128.76 | 125.04 |
| 12 | 14 | 306 | KC1 | C1C-C2C-C3C | -2.44 | 104.39 | 106.96 |
| 12 | 6 | 309 | KC1 | CMB-C2B-C1B | 2.44 | 129.01 | 124.71 |
| 14 | 7 | 315 | A86 | C19-C18-C17 | -2.44 | 106.06 | 110.77 |
| 17 | 8 | 319 | LMT | C1'-O5'-C5' | 2.44 | 118.47 | 113.69 |
| 13 | 13 | 314 | DD6 | C12-C11-C13 | -2.43 | 114.24 | 118.08 |
| 11 | 10 | 307 | CLA | O2D-CGD-O1D | -2.43 | 119.08 | 123.84 |
| 14 | 10 | 302 | A86 | C28-C27-C26 | -2.43 | 119.51 | 122.92 |
| 12 | 12 | 313 | KC1 | CBA-CAA-C2A | -2.43 | 115.99 | 125.27 |
| 12 | 10 | 310 | KC1 | CAA-C2A-C1A | -2.43 | 113.56 | 124.75 |
| 11 | 11 | 308 | CLA | O1D-CGD-CBD | -2.43 | 119.51 | 124.48 |
| 11 | 13 | 307 | CLA | CHD-C4C-NC | 2.43 | 128.04 | 124.20 |
| 11 | 15 | 310 | CLA | CAA-C2A-C3A | -2.43 | 106.12 | 112.78 |
| 14 | 14 | 318 | A86 | C7-C6-C5 | -2.43 | 119.52 | 122.92 |
| 11 | 6 | 303 | CLA | CHB-C4A-NA | 2.43 | 127.87 | 124.51 |
| 11 | 6 | 306 | CLA | C4-C3-C5 | 2.43 | 119.36 | 115.27 |
| 11 | 7 | 306 | CLA | C1-C2-C3 | -2.43 | 121.84 | 126.04 |
| 12 | 16 | 304 | KC1 | CHB-C4A-NA | 2.43 | 128.03 | 124.20 |
| 13 | 6 | 318 | DD6 | C23-C16-C17 | -2.43 | 104.77 | 108.98 |
| 11 | 16 | 310 | CLA | CMC-C2C-C1C | 2.43 | 128.74 | 125.04 |
| 11 | 16 | 308 | CLA | CMB-C2B-C3B | 2.43 | 129.22 | 124.68 |
| 11 | 7 | 304 | CLA | CMD-C2D-C3D | -2.43 | 122.03 | 127.61 |
| 11 | 15 | 304 | CLA | CAA-C2A-C3A | -2.42 | 106.14 | 112.78 |
| 14 | 10 | 316 | A86 | C34-O4-C38 | -2.42 | 113.38 | 117.90 |
| 12 | 11 | 310 | KC1 | CMC-C2C-C1C | 2.42 | 128.73 | 125.04 |
| 14 | 14 | 317 | A86 | C34-O4-C38 | -2.42 | 113.38 | 117.90 |
| 11 | 15 | 304 | CLA | CED-O2D-CGD | 2.42 | 121.41 | 115.94 |
| 12 | 10 | 312 | KC1 | O2D-CGD-O1D | -2.42 | 119.11 | 123.84 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 12 | 312 | CLA | CMC-C2C-C1C | 2.42 | 128.72 | 125.04 |
| 11 | 15 | 314 | CLA | CHB-C4A-NA | 2.42 | 127.85 | 124.51 |
| 11 | 8 | 304 | CLA | CBC-CAC-C3C | -2.42 | 105.77 | 112.43 |
| 12 | 13 | 305 | KC1 | CBC-CAC-C3C | -2.42 | 105.77 | 112.43 |
| 11 | 10 | 307 | CLA | CAA-C2A-C3A | -2.42 | 106.16 | 112.78 |
| 11 | 12 | 310 | CLA | C1-C2-C3 | -2.41 | 121.87 | 126.04 |
| 11 | 15 | 303 | CLA | CMC-C2C-C1C | 2.41 | 128.72 | 125.04 |
| 12 | 10 | 306 | KC1 | CMC-C2C-C1C | 2.41 | 128.72 | 125.04 |
| 13 | 12 | 315 | DD6 | C4-C3-C2 | -2.41 | 118.53 | 123.47 |
| 14 | 10 | 301 | A86 | C25-C24-C1 | 2.41 | 133.19 | 126.42 |
| 11 | 11 | 309 | CLA | CHB-C4A-NA | 2.41 | 127.85 | 124.51 |
| 12 | 8 | 311 | KC1 | CAA-C2A-C1A | -2.41 | 113.66 | 124.75 |
| 14 | 8 | 315 | A86 | C24-C1-C2 | -2.41 | 115.24 | 118.94 |
| 11 | 16 | 303 | CLA | CHB-C4A-NA | 2.41 | 127.84 | 124.51 |
| 11 | 8 | 304 | CLA | C1-C2-C3 | -2.41 | 121.88 | 126.04 |
| 12 | 8 | 310 | KC1 | O2D-CGD-O1D | -2.41 | 119.13 | 123.84 |
| 11 | 8 | 305 | CLA | O2D-CGD-O1D | -2.41 | 119.14 | 123.84 |
| 11 | 6 | 312 | CLA | CHB-C4A-NA | 2.41 | 127.84 | 124.51 |
| 11 | 15 | 302 | CLA | C4-C3-C5 | 2.40 | 119.31 | 115.27 |
| 14 | 15 | 321 | A86 | C-C1-C24 | 2.40 | 121.86 | 118.08 |
| 11 | 14 | 310 | CLA | O2A-CGA-CBA | 2.40 | 119.45 | 111.91 |
| 12 | 11 | 310 | KC1 | O2D-CGD-O1D | -2.40 | 119.14 | 123.84 |
| 13 | 7 | 313 | DD6 | C3-C4-C5 | -2.40 | 118.55 | 123.47 |
| 12 | 6 | 308 | KC1 | CMB-C2B-C1B | 2.40 | 128.94 | 124.71 |
| 12 | 13 | 306 | KC1 | CMB-C2B-C1B | 2.40 | 128.94 | 124.71 |
| 11 | 15 | 304 | CLA | O2A-CGA-CBA | 2.40 | 119.44 | 111.91 |
| 17 | 11 | 316 | LMT | C1-O1'-C1' | -2.40 | 109.86 | 113.84 |
| 12 | 8 | 312 | KC1 | CED-O2D-CGD | 2.40 | 121.36 | 115.94 |
| 13 | 7 | 317 | DD6 | C4-C3-C2 | -2.40 | 118.56 | 123.47 |
| 12 | 13 | 306 | KC1 | O2D-CGD-O1D | -2.40 | 119.15 | 123.84 |
| 11 | 15 | 314 | CLA | CBC-CAC-C3C | -2.40 | 105.82 | 112.43 |
| 11 | 15 | 310 | CLA | O2D-CGD-O1D | -2.40 | 119.15 | 123.84 |
| 11 | 7 | 302 | CLA | O2A-C1-C2 | 2.40 | 114.94 | 108.64 |
| 14 | 11 | 315 | A86 | C41-C32-C31 | -2.40 | 108.33 | 110.47 |
| 14 | 7 | 314 | A86 | C36-C31-C32 | -2.40 | 117.32 | 119.70 |
| 12 | 10 | 306 | KC1 | CHB-C1B-NB | -2.40 | 122.25 | 124.45 |
| 11 | 15 | 302 | CLA | CGD-CBD-CAD | -2.40 | 102.97 | 110.73 |
| 11 | 15 | 305 | CLA | CMC-C2C-C1C | 2.39 | 128.69 | 125.04 |
| 11 | 15 | 306 | CLA | O1D-CGD-CBD | -2.39 | 119.59 | 124.48 |
| 11 | 7 | 303 | CLA | C1-C2-C3 | -2.39 | 121.90 | 126.04 |
| 13 | 13 | 314 | DD6 | C20-C19-C18 | 2.39 | 117.48 | 112.75 |
| 11 | 13 | 307 | CLA | C1-O2A-CGA | 2.39 | 122.72 | 116.44 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 11 | 305 | CLA | CMB-C2B-C3B | 2.39 | 129.15 | 124.68 |
| 11 | 8 | 305 | CLA | O2A-CGA-CBA | 2.39 | 119.42 | 111.91 |
| 11 | 6 | 314 | CLA | CMC-C2C-C1C | 2.39 | 128.68 | 125.04 |
| 12 | 12 | 311 | KC1 | CMB-C2B-C1B | 2.39 | 128.93 | 124.71 |
| 11 | 8 | 308 | CLA | O2D-CGD-O1D | -2.39 | 119.17 | 123.84 |
| 11 | 14 | 309 | CLA | CMB-C2B-C3B | 2.39 | 129.15 | 124.68 |
| 13 | 16 | 313 | DD6 | C25-C24-C1 | -2.39 | 119.71 | 126.42 |
| 11 | 12 | 307 | CLA | CMA-C3A-C4A | -2.39 | 105.36 | 111.77 |
| 11 | 10 | 303 | CLA | CHB-C4A-NA | 2.39 | 127.81 | 124.51 |
| 13 | 8 | 317 | DD6 | C35-C36-C31 | -2.39 | 115.16 | 120.57 |
| 11 | 7 | 309 | CLA | CMB-C2B-C3B | 2.38 | 129.14 | 124.68 |
| 11 | 10 | 311 | CLA | CMB-C2B-C3B | 2.38 | 129.14 | 124.68 |
| 11 | 14 | 305 | CLA | CBC-CAC-C3C | -2.38 | 105.86 | 112.43 |
| 11 | 6 | 314 | CLA | C4-C3-C5 | 2.38 | 119.28 | 115.27 |
| 14 | 10 | 316 | A86 | C7-C6-C8 | 2.38 | 121.83 | 118.08 |
| 14 | 14 | 319 | A86 | C40-C32-C31 | -2.38 | 108.34 | 110.47 |
| 11 | 13 | 309 | CLA | CMB-C2B-C3B | 2.38 | 129.13 | 124.68 |
| 11 | 16 | 301 | CLA | CMB-C2B-C3B | 2.38 | 129.13 | 124.68 |
| 14 | 15 | 322 | A86 | O-C13-C14 | -2.38 | 116.82 | 121.66 |
| 11 | 11 | 305 | CLA | CHB-C4A-NA | 2.38 | 127.80 | 124.51 |
| 13 | 16 | 313 | DD6 | C10-C9-C8 | -2.38 | 115.80 | 123.22 |
| 11 | 7 | 311 | CLA | CBC-CAC-C3C | -2.38 | 105.88 | 112.43 |
| 12 | 10 | 306 | KC1 | O1D-CGD-CBD | -2.38 | 119.62 | 124.48 |
| 11 | 16 | 303 | CLA | CAC-C3C-C4C | 2.37 | 127.89 | 124.81 |
| 11 | 10 | 305 | CLA | CBC-CAC-C3C | -2.37 | 105.89 | 112.43 |
| 11 | 7 | 306 | CLA | O2D-CGD-O1D | -2.37 | 119.20 | 123.84 |
| 11 | 14 | 309 | CLA | O2D-CGD-O1D | -2.37 | 119.20 | 123.84 |
| 11 | 6 | 303 | CLA | O2A-C1-C2 | 2.37 | 114.87 | 108.64 |
| 12 | 7 | 307 | KC1 | CAC-C3C-C4C | 2.37 | 127.89 | 124.81 |
| 13 | 7 | 313 | DD6 | C21-C20-C15 | -2.37 | 118.29 | 122.26 |
| 11 | 15 | 307 | CLA | CHB-C4A-NA | 2.37 | 127.79 | 124.51 |
| 13 | 13 | 314 | DD6 | C25-C24-C1 | -2.37 | 119.76 | 126.42 |
| 11 | 10 | 304 | CLA | O2A-CGA-CBA | 2.37 | 119.34 | 111.91 |
| 11 | 16 | 306 | CLA | CMC-C2C-C1C | 2.37 | 128.64 | 125.04 |
| 11 | 14 | 303 | CLA | C4-C3-C5 | 2.37 | 119.25 | 115.27 |
| 11 | 6 | 302 | CLA | CHB-C4A-NA | 2.37 | 127.78 | 124.51 |
| 12 | 12 | 305 | KC1 | O2D-CGD-O1D | -2.37 | 119.21 | 123.84 |
| 11 | 6 | 306 | CLA | C1-C2-C3 | -2.37 | 121.95 | 126.04 |
| 12 | 11 | 304 | KC1 | CMC-C2C-C1C | 2.37 | 128.64 | 125.04 |
| 14 | 16 | 314 | A86 | C7-C6-C8 | 2.36 | 121.80 | 118.08 |
| 11 | 14 | 312 | CLA | CHB-C4A-NA | 2.36 | 127.78 | 124.51 |
| 11 | 8 | 302 | CLA | CMC-C2C-C1C | 2.36 | 128.64 | 125.04 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 14 | 15 | 320 | A86 | C23-C16-C17 | -2.36 | 104.88 | 108.98 |
| 11 | 7 | 305 | CLA | CHD-C4C-NC | 2.36 | 127.93 | 124.20 |
| 11 | 6 | 314 | CLA | CBC-CAC-C3C | -2.36 | 105.92 | 112.43 |
| 12 | 12 | 311 | KC1 | CHB-C1B-NB | -2.36 | 122.28 | 124.45 |
| 12 | 14 | 311 | KC1 | CHB-C1B-NB | -2.36 | 122.28 | 124.45 |
| 14 | 14 | 320 | A86 | C28-C27-C26 | -2.36 | 119.62 | 122.92 |
| 14 | 10 | 301 | A86 | C23-C16-C22 | -2.36 | 103.89 | 107.37 |
| 11 | 13 | 309 | CLA | CHD-C4C-NC | 2.36 | 127.92 | 124.20 |
| 11 | 12 | 312 | CLA | CHB-C4A-NA | 2.36 | 127.78 | 124.51 |
| 16 | 8 | 320 | LMG | C38-C37-C36 | -2.36 | 102.45 | 114.42 |
| 16 | 14 | 322 | LMG | O6-C1-O1 | -2.36 | 104.39 | 109.97 |
| 11 | 11 | 308 | CLA | O2A-CGA-O1A | -2.36 | 117.64 | 123.59 |
| 11 | 12 | 321 | CLA | CMB-C2B-C3B | 2.36 | 129.09 | 124.68 |
| 14 | 7 | 318 | A86 | C41-C32-C31 | -2.36 | 108.36 | 110.47 |
| 11 | 15 | 314 | CLA | O2D-CGD-O1D | -2.36 | 119.23 | 123.84 |
| 13 | 6 | 318 | DD6 | C4-C3-C2 | -2.36 | 118.65 | 123.47 |
| 11 | 15 | 312 | CLA | CMC-C2C-C1C | 2.36 | 128.63 | 125.04 |
| 11 | 16 | 303 | CLA | CMC-C2C-C1C | 2.35 | 128.62 | 125.04 |
| 12 | 8 | 310 | KC1 | CHC-C1C-NC | 2.35 | 127.91 | 124.20 |
| 14 | 8 | 318 | A86 | O1-C15-C14 | 2.35 | 117.93 | 113.21 |
| 12 | 10 | 312 | KC1 | CBC-CAC-C3C | -2.35 | 105.94 | 112.43 |
| 11 | 16 | 305 | CLA | CMC-C2C-C1C | 2.35 | 128.62 | 125.04 |
| 11 | 6 | 311 | CLA | CMB-C2B-C3B | 2.35 | 129.08 | 124.68 |
| 14 | 7 | 318 | A86 | C8-C6-C5 | 2.35 | 122.55 | 118.94 |
| 13 | 6 | 316 | DD6 | O1-C20-C21 | -2.35 | 112.24 | 115.06 |
| 11 | 15 | 309 | CLA | C1-C2-C3 | -2.35 | 121.98 | 126.04 |
| 12 | 6 | 305 | KC1 | CMB-C2B-C1B | 2.35 | 128.86 | 124.71 |
| 12 | 13 | 306 | KC1 | OBD-CAD-C3D | -2.35 | 124.08 | 127.98 |
| 12 | 14 | 306 | KC1 | CAA-C2A-C1A | -2.35 | 113.95 | 124.75 |
| 11 | 15 | 302 | CLA | C11-C12-C13 | -2.35 | 108.33 | 115.92 |
| 12 | 11 | 306 | KC1 | CHB-C1B-NB | -2.35 | 122.30 | 124.45 |
| 13 | 13 | 314 | DD6 | C9-C8-C6 | -2.35 | 119.82 | 126.42 |
| 16 | 8 | 323 | LMG | O6-C1-O1 | -2.35 | 104.42 | 109.97 |
| 11 | 12 | 312 | CLA | C4-C3-C5 | 2.35 | 119.22 | 115.27 |
| 11 | 11 | 307 | CLA | CBC-CAC-C3C | -2.35 | 105.97 | 112.43 |
| 14 | 15 | 320 | A86 | C7-C6-C5 | -2.34 | 119.64 | 122.92 |
| 12 | 6 | 309 | KC1 | O2D-CGD-O1D | -2.34 | 119.26 | 123.84 |
| 11 | 8 | 302 | CLA | C1-C2-C3 | -2.34 | 121.99 | 126.04 |
| 11 | 10 | 311 | CLA | CHB-C4A-NA | 2.34 | 127.75 | 124.51 |
| 14 | 14 | 318 | A86 | C9-C10-C11 | -2.34 | 119.72 | 126.61 |
| 11 | 10 | 305 | CLA | C1-C2-C3 | -2.34 | 121.99 | 126.04 |
| 11 | 7 | 308 | CLA | O2D-CGD-O1D | -2.34 | 119.26 | 123.84 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 13 | 13 | 314 | DD6 | C22-C16-C15 | 2.34 | 116.36 | 110.05 |
| 12 | 6 | 310 | KC1 | CHB-C1B-NB | -2.34 | 122.30 | 124.45 |
| 11 | 15 | 306 | CLA | CHB-C4A-NA | 2.34 | 127.75 | 124.51 |
| 11 | 16 | 310 | CLA | CHB-C4A-NA | 2.34 | 127.75 | 124.51 |
| 11 | 13 | 309 | CLA | CED-O2D-CGD | 2.34 | 121.22 | 115.94 |
| 11 | 12 | 306 | CLA | CMB-C2B-C3B | 2.34 | 129.05 | 124.68 |
| 13 | 10 | 314 | DD6 | C4-C3-C2 | -2.34 | 118.69 | 123.47 |
| 11 | 7 | 303 | CLA | O2A-CGA-CBA | 2.34 | 119.24 | 111.91 |
| 11 | 10 | 308 | CLA | O2D-CGD-O1D | -2.33 | 119.28 | 123.84 |
| 12 | 11 | 310 | KC1 | CHB-C1B-NB | -2.33 | 122.31 | 124.45 |
| 14 | 10 | 315 | A86 | C23-C16-C22 | -2.33 | 103.93 | 107.37 |
| 14 | 14 | 314 | A86 | C35-C34-C33 | 2.33 | 113.95 | 109.88 |
| 11 | 6 | 304 | CLA | CHB-C4A-NA | 2.33 | 127.74 | 124.51 |
| 12 | 6 | 308 | KC1 | CAC-C3C-C4C | 2.33 | 127.83 | 124.81 |
| 12 | 8 | 307 | KC1 | CAA-C2A-C1A | -2.33 | 114.03 | 124.75 |
| 14 | 8 | 318 | A86 | C12-C11-C10 | -2.33 | 117.78 | 123.42 |
| 16 | 8 | 320 | LMG | O3-C3-C2 | -2.33 | 104.96 | 110.35 |
| 11 | 12 | 308 | CLA | CMC-C2C-C1C | 2.33 | 128.59 | 125.04 |
| 14 | 10 | 317 | A86 | C-C1-C2 | -2.33 | 119.66 | 122.92 |
| 11 | 15 | 310 | CLA | CHB-C4A-NA | 2.33 | 127.73 | 124.51 |
| 12 | 8 | 310 | KC1 | CHB-C4A-NA | 2.33 | 127.87 | 124.20 |
| 11 | 8 | 308 | CLA | CAA-C2A-C3A | -2.32 | 106.41 | 112.78 |
| 11 | 13 | 303 | CLA | CHB-C4A-NA | 2.32 | 127.73 | 124.51 |
| 14 | 15 | 321 | A86 | O1-C15-C14 | 2.32 | 117.87 | 113.21 |
| 11 | 16 | 302 | CLA | CBC-CAC-C3C | -2.32 | 106.03 | 112.43 |
| 16 | 14 | 322 | LMG | O3-C3-C2 | -2.32 | 104.98 | 110.35 |
| 17 | 15 | 301 | LMT | O5B-C5B-C4B | 2.32 | 113.91 | 109.69 |
| 14 | 15 | 322 | A86 | O1-C15-C14 | 2.32 | 117.87 | 113.21 |
| 11 | 16 | 307 | CLA | CMC-C2C-C1C | 2.32 | 128.58 | 125.04 |
| 11 | 14 | 313 | CLA | CMC-C2C-C1C | 2.32 | 128.57 | 125.04 |
| 12 | 13 | 305 | KC1 | CAA-C2A-C1A | -2.32 | 114.08 | 124.75 |
| 11 | 14 | 302 | CLA | O2A-CGA-O1A | -2.32 | 117.73 | 123.59 |
| 11 | 12 | 304 | CLA | O2D-CGD-O1D | -2.32 | 119.30 | 123.84 |
| 12 | 12 | 309 | KC1 | CMB-C2B-C1B | 2.32 | 128.80 | 124.71 |
| 11 | 15 | 304 | CLA | CAC-C3C-C4C | 2.32 | 127.82 | 124.81 |
| 11 | 13 | 303 | CLA | CMC-C2C-C1C | 2.32 | 128.57 | 125.04 |
| 16 | 7 | 319 | LMG | O3-C3-C2 | -2.32 | 105.00 | 110.35 |
| 11 | 10 | 309 | CLA | CHB-C4A-NA | 2.32 | 127.71 | 124.51 |
| 11 | 15 | 311 | CLA | CBC-CAC-C3C | -2.31 | 106.05 | 112.43 |
| 14 | 12 | 316 | A86 | C20-C19-C18 | -2.31 | 108.17 | 112.75 |
| 14 | 11 | 314 | A86 | C22-C16-C17 | -2.31 | 104.96 | 108.98 |
| 14 | 13 | 315 | A86 | C3-C4-C5 | -2.31 | 118.73 | 123.47 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 14 | 14 | 321 | A86 | C36-C31-C32 | -2.31 | 117.40 | 119.70 |
| 12 | 8 | 306 | KC1 | CHB-C4A-NA | 2.31 | 127.85 | 124.20 |
| 12 | 12 | 313 | KC1 | CGD-CBD-CAD | -2.31 | 103.25 | 110.73 |
| 11 | 11 | 305 | CLA | C1-O2A-CGA | 2.31 | 122.51 | 116.44 |
| 12 | 12 | 311 | KC1 | CAA-C2A-C1A | -2.31 | 114.13 | 124.75 |
| 13 | 8 | 317 | DD6 | C33-C32-C31 | 2.31 | 114.30 | 109.62 |
| 12 | 13 | 312 | KC1 | O2D-CGD-O1D | -2.31 | 119.32 | 123.84 |
| 13 | 16 | 313 | DD6 | C3-C4-C5 | -2.31 | 118.74 | 123.47 |
| 11 | 14 | 304 | CLA | CMC-C2C-C1C | 2.31 | 128.56 | 125.04 |
| 11 | 6 | 307 | CLA | CHB-C4A-NA | 2.31 | 127.70 | 124.51 |
| 14 | 15 | 320 | A86 | C3-C2-C1 | -2.31 | 124.02 | 127.31 |
| 12 | 16 | 304 | KC1 | CHB-C1B-NB | -2.31 | 122.33 | 124.45 |
| 11 | 6 | 301 | CLA | O2D-CGD-O1D | -2.31 | 119.33 | 123.84 |
| 11 | 16 | 302 | CLA | CED-O2D-CGD | 2.31 | 121.16 | 115.94 |
| 14 | 13 | 315 | A86 | C-C1-C2 | -2.31 | 119.69 | 122.92 |
| 11 | 16 | 309 | CLA | CHB-C4A-NA | 2.30 | 127.70 | 124.51 |
| 11 | 11 | 307 | CLA | CAC-C3C-C4C | 2.30 | 127.80 | 124.81 |
| 11 | 11 | 303 | CLA | CHB-C4A-NA | 2.30 | 127.70 | 124.51 |
| 11 | 6 | 306 | CLA | CMC-C2C-C1C | 2.30 | 128.54 | 125.04 |
| 11 | 14 | 313 | CLA | CMB-C2B-C3B | 2.30 | 128.99 | 124.68 |
| 14 | 6 | 317 | A86 | C9-C10-C11 | -2.30 | 119.84 | 126.61 |
| 11 | 10 | 305 | CLA | O2A-CGA-CBA | 2.30 | 119.13 | 111.91 |
| 14 | 12 | 314 | A86 | C-C1-C24 | 2.30 | 121.70 | 118.08 |
| 11 | 11 | 308 | CLA | CHB-C4A-NA | 2.30 | 127.69 | 124.51 |
| 14 | 14 | 315 | A86 | C8-C6-C5 | 2.30 | 122.47 | 118.94 |
| 11 | 10 | 308 | CLA | CBC-CAC-C3C | -2.30 | 106.09 | 112.43 |
| 11 | 14 | 309 | CLA | CHB-C4A-NA | 2.30 | 127.69 | 124.51 |
| 11 | 7 | 311 | CLA | CHB-C4A-NA | 2.30 | 127.69 | 124.51 |
| 11 | 15 | 304 | CLA | CHD-C4C-NC | 2.30 | 127.82 | 124.20 |
| 12 | 13 | 312 | KC1 | CMC-C2C-C1C | 2.30 | 128.53 | 125.04 |
| 11 | 12 | 312 | CLA | C1-C2-C3 | -2.30 | 122.07 | 126.04 |
| 11 | 11 | 308 | CLA | CAA-C2A-C3A | -2.29 | 106.50 | 112.78 |
| 11 | 16 | 302 | CLA | CMB-C2B-C3B | 2.29 | 128.97 | 124.68 |
| 12 | 13 | 311 | KC1 | CAB-C3B-C4B | 2.29 | 130.44 | 124.90 |
| 11 | 12 | 303 | CLA | C1-C2-C3 | -2.29 | 122.08 | 126.04 |
| 11 | 7 | 311 | CLA | CAA-C2A-C3A | -2.29 | 106.50 | 112.78 |
| 13 | 12 | 317 | DD6 | C19-C18-C17 | 2.29 | 115.20 | 110.77 |
| 13 | 11 | 312 | DD6 | C20-C19-C18 | 2.29 | 117.29 | 112.75 |
| 11 | 10 | 308 | CLA | O2A-CGA-O1A | -2.29 | 117.81 | 123.59 |
| 12 | 7 | 312 | KC1 | CHB-C1B-NB | -2.29 | 122.35 | 124.45 |
| 11 | 15 | 313 | CLA | CHB-C4A-NA | 2.29 | 127.68 | 124.51 |
| 11 | 10 | 307 | CLA | O2A-CGA-CBA | 2.29 | 119.10 | 111.91 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 14 | 309 | CLA | CBC-CAC-C3C | -2.29 | 106.12 | 112.43 |
| 11 | 13 | 304 | CLA | CMC-C2C-C1C | 2.29 | 128.53 | 125.04 |
| 12 | 8 | 314 | KC1 | CGD-CBD-CAD | -2.29 | 103.32 | 110.73 |
| 11 | 14 | 305 | CLA | O2A-CGA-CBA | 2.29 | 119.09 | 111.91 |
| 13 | 6 | 318 | DD6 | O1-C20-C21 | -2.29 | 112.31 | 115.06 |
| 12 | 14 | 308 | KC1 | CAC-C3C-C4C | 2.29 | 127.78 | 124.81 |
| 12 | 8 | 306 | KC1 | CAA-C2A-C1A | -2.29 | 114.22 | 124.75 |
| 11 | 7 | 311 | CLA | O2D-CGD-O1D | -2.29 | 119.37 | 123.84 |
| 12 | 6 | 305 | KC1 | CHB-C4A-NA | 2.29 | 127.81 | 124.20 |
| 11 | 15 | 311 | CLA | O2D-CGD-O1D | -2.29 | 119.37 | 123.84 |
| 11 | 7 | 310 | CLA | CHB-C4A-NA | 2.29 | 127.67 | 124.51 |
| 11 | 6 | 302 | CLA | O2D-CGD-O1D | -2.29 | 119.37 | 123.84 |
| 11 | 8 | 301 | CLA | O2D-CGD-O1D | -2.29 | 119.37 | 123.84 |
| 11 | 10 | 303 | CLA | CMC-C2C-C1C | 2.29 | 128.52 | 125.04 |
| 14 | 16 | 314 | A86 | C10-C9-C8 | -2.28 | 116.09 | 123.22 |
| 11 | 8 | 305 | CLA | CHB-C4A-NA | 2.28 | 127.67 | 124.51 |
| 11 | 15 | 311 | CLA | CHB-C4A-NA | 2.28 | 127.67 | 124.51 |
| 11 | 14 | 305 | CLA | O2D-CGD-O1D | -2.28 | 119.37 | 123.84 |
| 11 | 13 | 303 | CLA | O2A-CGA-CBA | 2.28 | 119.07 | 111.91 |
| 14 | 11 | 314 | A86 | C19-C18-C17 | 2.28 | 115.18 | 110.77 |
| 12 | 12 | 309 | KC1 | CMC-C2C-C1C | 2.28 | 128.51 | 125.04 |
| 11 | 15 | 307 | CLA | O2D-CGD-O1D | -2.28 | 119.38 | 123.84 |
| 14 | 15 | 317 | A86 | C7-C6-C5 | -2.28 | 119.73 | 122.92 |
| 14 | 14 | 316 | A86 | C3-C4-C5 | -2.28 | 118.80 | 123.47 |
| 14 | 10 | 316 | A86 | C7-C6-C5 | -2.28 | 119.73 | 122.92 |
| 11 | 15 | 312 | CLA | C4C-C3C-C2C | -2.28 | 103.58 | 106.90 |
| 11 | 14 | 303 | CLA | O1D-CGD-CBD | -2.28 | 119.83 | 124.48 |
| 11 | 13 | 307 | CLA | CMC-C2C-C1C | 2.28 | 128.51 | 125.04 |
| 11 | 12 | 307 | CLA | O2D-CGD-O1D | -2.28 | 119.39 | 123.84 |
| 11 | 13 | 303 | CLA | CBA-CAA-C2A | 2.27 | 120.58 | 113.86 |
| 12 | 11 | 311 | KC1 | CMC-C2C-C1C | 2.27 | 128.50 | 125.04 |
| 11 | 14 | 302 | CLA | C4-C3-C2 | -2.27 | 117.84 | 123.68 |
| 11 | 7 | 303 | CLA | CMB-C2B-C3B | 2.27 | 128.93 | 124.68 |
| 12 | 13 | 312 | KC1 | CBC-CAC-C3C | -2.27 | 106.17 | 112.43 |
| 11 | 16 | 308 | CLA | CHB-C4A-NA | 2.27 | 127.65 | 124.51 |
| 11 | 6 | 307 | CLA | O2A-CGA-CBA | 2.27 | 119.03 | 111.91 |
| 12 | 8 | 311 | KC1 | CHB-C1B-NB | -2.27 | 122.37 | 124.45 |
| 11 | 12 | 302 | CLA | CAC-C3C-C4C | 2.27 | 127.75 | 124.81 |
| 14 | 12 | 314 | A86 | C22-C16-C17 | -2.27 | 105.04 | 108.98 |
| 12 | 13 | 310 | KC1 | CBC-CAC-C3C | -2.27 | 106.18 | 112.43 |
| 14 | 14 | 317 | A86 | C7-C6-C5 | -2.27 | 119.75 | 122.92 |
| 12 | 13 | 312 | KC1 | CHB-C4A-NA | 2.27 | 127.78 | 124.20 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 10 | 311 | CLA | O2D-CGD-O1D | -2.27 | 119.41 | 123.84 |
| 11 | 6 | 311 | CLA | CHB-C4A-NA | 2.26 | 127.64 | 124.51 |
| 11 | 6 | 304 | CLA | CMC-C2C-C1C | 2.26 | 128.48 | 125.04 |
| 11 | 16 | 301 | CLA | CBC-CAC-C3C | -2.26 | 106.20 | 112.43 |
| 11 | 6 | 303 | CLA | CMC-C2C-C1C | 2.26 | 128.48 | 125.04 |
| 11 | 15 | 311 | CLA | CAA-C2A-C3A | -2.26 | 106.59 | 112.78 |
| 11 | 7 | 308 | CLA | CHB-C4A-NA | 2.26 | 127.64 | 124.51 |
| 11 | 16 | 305 | CLA | C5-C3-C4 | 2.26 | 119.59 | 114.60 |
| 11 | 7 | 309 | CLA | O2D-CGD-O1D | -2.26 | 119.42 | 123.84 |
| 14 | 14 | 315 | A86 | C7-C6-C5 | -2.26 | 119.76 | 122.92 |
| 12 | 11 | 311 | KC1 | O2D-CGD-O1D | -2.26 | 119.42 | 123.84 |
| 11 | 6 | 306 | CLA | CBC-CAC-C3C | -2.26 | 106.21 | 112.43 |
| 13 | 8 | 316 | DD6 | C33-C32-C31 | 2.26 | 114.19 | 109.62 |
| 14 | 6 | 317 | A86 | C12-C11-C13 | 2.26 | 119.81 | 116.02 |
| 14 | 14 | 317 | A86 | O1-C15-C14 | 2.26 | 117.74 | 113.21 |
| 14 | 7 | 315 | A86 | C-C1-C24 | 2.26 | 121.63 | 118.08 |
| 12 | 13 | 310 | KC1 | CAC-C3C-C4C | 2.25 | 127.73 | 124.81 |
| 12 | 14 | 308 | KC1 | CHB-C1B-NB | -2.25 | 122.38 | 124.45 |
| 11 | 12 | 307 | CLA | CHB-C4A-NA | 2.25 | 127.63 | 124.51 |
| 11 | 11 | 307 | CLA | O2A-CGA-CBA | 2.25 | 118.98 | 111.91 |
| 11 | 15 | 311 | CLA | CMB-C2B-C3B | 2.25 | 128.89 | 124.68 |
| 11 | 15 | 302 | CLA | C1-C2-C3 | -2.25 | 122.15 | 126.04 |
| 12 | 11 | 306 | KC1 | CHB-C4A-NA | 2.25 | 127.75 | 124.20 |
| 11 | 16 | 302 | CLA | O2D-CGD-O1D | -2.25 | 119.44 | 123.84 |
| 12 | 8 | 310 | KC1 | C1C-C2C-C3C | -2.25 | 104.59 | 106.96 |
| 12 | 6 | 310 | KC1 | O2D-CGD-O1D | -2.25 | 119.44 | 123.84 |
| 12 | 8 | 314 | KC1 | CHB-C1B-NB | -2.25 | 122.39 | 124.45 |
| 11 | 11 | 307 | CLA | C4-C3-C5 | 2.25 | 119.05 | 115.27 |
| 11 | 12 | 303 | CLA | CED-O2D-CGD | 2.25 | 121.02 | 115.94 |
| 11 | 11 | 309 | CLA | C4-C3-C5 | 2.25 | 119.05 | 115.27 |
| 14 | 15 | 317 | A86 | C-C1-C24 | 2.25 | 121.61 | 118.08 |
| 11 | 6 | 301 | CLA | CAA-C2A-C3A | -2.24 | 106.63 | 112.78 |
| 14 | 10 | 317 | A86 | C25-C24-C1 | -2.24 | 120.11 | 126.42 |
| 11 | 12 | 321 | CLA | C1-C2-C3 | -2.24 | 122.16 | 126.04 |
| 14 | 14 | 316 | A86 | C25-C24-C1 | -2.24 | 120.12 | 126.42 |
| 11 | 10 | 309 | CLA | CMC-C2C-C1C | 2.24 | 128.45 | 125.04 |
| 11 | 7 | 306 | CLA | CBC-CAC-C3C | -2.24 | 106.25 | 112.43 |
| 13 | 7 | 316 | DD6 | C3-C4-C5 | -2.24 | 118.89 | 123.47 |
| 13 | 8 | 316 | DD6 | C34-C35-C36 | -2.24 | 107.40 | 111.85 |
| 11 | 16 | 308 | CLA | O2D-CGD-O1D | -2.24 | 119.46 | 123.84 |
| 17 | 11 | 316 | LMT | C1B-O1B-C4' | -2.24 | 112.43 | 117.96 |
| 11 | 8 | 303 | CLA | C4-C3-C5 | 2.24 | 119.03 | 115.27 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 13 | 15 | 319 | DD6 | C33-C32-C31 | 2.24 | 114.15 | 109.62 |
| 14 | 8 | 315 | A86 | C25-C26-C27 | -2.24 | 124.12 | 127.31 |
| 11 | 10 | 304 | CLA | O2D-CGD-O1D | -2.24 | 119.47 | 123.84 |
| 11 | 15 | 313 | CLA | C1-C2-C3 | -2.24 | 122.18 | 126.04 |
| 14 | 15 | 322 | A86 | C12-C11-C13 | 2.24 | 119.78 | 116.02 |
| 13 | 12 | 315 | DD6 | C3-C4-C5 | -2.23 | 118.90 | 123.47 |
| 14 | 14 | 301 | A86 | C4-C3-C2 | -2.23 | 118.90 | 123.47 |
| 11 | 16 | 301 | CLA | CBA-CAA-C2A | 2.23 | 120.45 | 113.86 |
| 11 | 14 | 304 | CLA | CMB-C2B-C3B | 2.23 | 128.85 | 124.68 |
| 14 | 11 | 313 | A86 | C34-O4-C38 | -2.23 | 113.74 | 117.90 |
| 11 | 14 | 312 | CLA | O2D-CGD-O1D | -2.23 | 119.47 | 123.84 |
| 11 | 12 | 303 | CLA | CMC-C2C-C1C | 2.23 | 128.44 | 125.04 |
| 11 | 6 | 307 | CLA | C1-O2A-CGA | 2.23 | 122.30 | 116.44 |
| 12 | 16 | 311 | KC1 | CHB-C4A-NA | 2.23 | 127.72 | 124.20 |
| 12 | 8 | 307 | KC1 | CMC-C2C-C1C | 2.23 | 128.44 | 125.04 |
| 11 | 12 | 306 | CLA | O2A-CGA-CBA | 2.23 | 118.90 | 111.91 |
| 11 | 8 | 304 | CLA | O2A-C1-C2 | 2.23 | 114.49 | 108.64 |
| 12 | 10 | 310 | KC1 | CHB-C1B-C2B | -2.23 | 120.81 | 125.48 |
| 14 | 13 | 315 | A86 | C28-C27-C26 | -2.23 | 119.80 | 122.92 |
| 11 | 8 | 303 | CLA | C1-C2-C3 | -2.23 | 122.19 | 126.04 |
| 14 | 16 | 314 | A86 | C34-O4-C38 | -2.23 | 113.75 | 117.90 |
| 11 | 12 | 321 | CLA | CBC-CAC-C3C | -2.23 | 106.29 | 112.43 |
| 14 | 16 | 312 | A86 | C22-C16-C17 | -2.23 | 105.11 | 108.98 |
| 11 | 14 | 303 | CLA | CMA-C3A-C4A | -2.23 | 105.79 | 111.77 |
| 11 | 11 | 303 | CLA | O2D-CGD-O1D | -2.23 | 119.48 | 123.84 |
| 11 | 15 | 307 | CLA | CMB-C2B-C3B | 2.23 | 128.84 | 124.68 |
| 11 | 12 | 302 | CLA | O2D-CGD-O1D | -2.23 | 119.49 | 123.84 |
| 11 | 12 | 310 | CLA | CHB-C4A-NA | 2.23 | 127.59 | 124.51 |
| 11 | 10 | 304 | CLA | C4-C3-C5 | 2.23 | 119.02 | 115.27 |
| 13 | 8 | 316 | DD6 | C22-C16-C15 | 2.22 | 116.05 | 110.05 |
| 11 | 10 | 305 | CLA | CHB-C4A-NA | 2.22 | 127.59 | 124.51 |
| 11 | 12 | 321 | CLA | CHB-C4A-NA | 2.22 | 127.59 | 124.51 |
| 12 | 16 | 311 | KC1 | CMB-C2B-C1B | 2.22 | 128.63 | 124.71 |
| 14 | 15 | 316 | A86 | O-C13-C11 | -2.22 | 116.24 | 121.15 |
| 12 | 14 | 306 | KC1 | CHB-C1B-C2B | -2.22 | 120.82 | 125.48 |
| 11 | 16 | 303 | CLA | C4-C3-C5 | 2.22 | 119.01 | 115.27 |
| 11 | 11 | 308 | CLA | CMA-C3A-C2A | -2.22 | 104.87 | 113.83 |
| 11 | 16 | 306 | CLA | CHD-C4C-NC | 2.22 | 127.70 | 124.20 |
| 14 | 14 | 315 | A86 | C40-C32-C31 | -2.22 | 108.48 | 110.47 |
| 12 | 14 | 308 | KC1 | CHB-C4A-NA | 2.22 | 127.70 | 124.20 |
| 11 | 7 | 309 | CLA | CAC-C3C-C4C | 2.22 | 127.69 | 124.81 |
| 13 | 15 | 318 | DD6 | C3-C4-C5 | -2.22 | 118.93 | 123.47 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 14 | 306 | KC1 | CMC-C2C-C1C | 2.22 | 128.42 | 125.04 |
| 14 | 10 | 316 | A86 | C28-C27-C26 | -2.22 | 119.81 | 122.92 |
| 11 | 15 | 312 | CLA | CAC-C3C-C4C | 2.22 | 127.69 | 124.81 |
| 11 | 12 | 312 | CLA | O2D-CGD-O1D | -2.22 | 119.51 | 123.84 |
| 13 | 15 | 319 | DD6 | C9-C8-C6 | -2.22 | 120.19 | 126.42 |
| 17 | 11 | 302 | LMT | O5B-C5B-C6B | 2.21 | 111.94 | 106.44 |
| 11 | 14 | 313 | CLA | CMA-C3A-C2A | -2.21 | 104.90 | 113.83 |
| 14 | 11 | 314 | A86 | C12-C11-C13 | 2.21 | 119.74 | 116.02 |
| 11 | 16 | 308 | CLA | CMC-C2C-C1C | 2.21 | 128.41 | 125.04 |
| 13 | 12 | 315 | DD6 | O1-C20-C21 | -2.21 | 112.41 | 115.06 |
| 11 | 15 | 312 | CLA | CHB-C4A-NA | 2.21 | 127.57 | 124.51 |
| 11 | 16 | 301 | CLA | C4-C3-C2 | -2.21 | 118.00 | 123.68 |
| 13 | 6 | 315 | DD6 | O1-C20-C21 | -2.21 | 112.41 | 115.06 |
| 12 | 6 | 310 | KC1 | CBC-CAC-C3C | -2.21 | 106.34 | 112.43 |
| 11 | 13 | 307 | CLA | CBC-CAC-C3C | -2.21 | 106.34 | 112.43 |
| 11 | 10 | 303 | CLA | O2D-CGD-O1D | -2.21 | 119.52 | 123.84 |
| 12 | 13 | 312 | KC1 | CHB-C1B-NB | -2.21 | 122.42 | 124.45 |
| 11 | 13 | 304 | CLA | CBC-CAC-C3C | -2.21 | 106.34 | 112.43 |
| 11 | 14 | 302 | CLA | O1D-CGD-CBD | -2.20 | 119.98 | 124.48 |
| 12 | 14 | 311 | KC1 | CHB-C4A-NA | 2.20 | 127.67 | 124.20 |
| 14 | 14 | 320 | A86 | C7-C6-C8 | 2.20 | 121.55 | 118.08 |
| 12 | 12 | 311 | KC1 | CHC-C4B-NB | -2.20 | 122.43 | 124.45 |
| 11 | 15 | 308 | CLA | O1D-CGD-CBD | -2.20 | 119.98 | 124.48 |
| 11 | 7 | 303 | CLA | CED-O2D-CGD | 2.20 | 120.91 | 115.94 |
| 11 | 15 | 305 | CLA | CHB-C4A-NA | 2.20 | 127.55 | 124.51 |
| 11 | 8 | 303 | CLA | CMC-C2C-C1C | 2.20 | 128.39 | 125.04 |
| 12 | 12 | 305 | KC1 | CHB-C4A-NA | 2.20 | 127.67 | 124.20 |
| 11 | 15 | 313 | CLA | CMC-C2C-C1C | 2.20 | 128.38 | 125.04 |
| 11 | 15 | 307 | CLA | C5-C3-C4 | 2.20 | 119.45 | 114.60 |
| 14 | 15 | 321 | A86 | C8-C6-C5 | -2.19 | 115.57 | 118.94 |
| 12 | 7 | 307 | KC1 | CHB-C1B-NB | -2.19 | 122.44 | 124.45 |
| 11 | 15 | 302 | CLA | C1B-CHB-C4A | -2.19 | 125.77 | 130.12 |
| 12 | 11 | 306 | KC1 | CMC-C2C-C1C | 2.19 | 128.38 | 125.04 |
| 11 | 16 | 307 | CLA | CHB-C4A-NA | 2.19 | 127.55 | 124.51 |
| 14 | 7 | 318 | A86 | O-C13-C11 | -2.19 | 116.30 | 121.15 |
| 14 | 11 | 314 | A86 | C9-C8-C6 | -2.19 | 120.26 | 126.42 |
| 11 | 13 | 304 | CLA | CHB-C4A-NA | 2.19 | 127.54 | 124.51 |
| 13 | 6 | 318 | DD6 | C25-C24-C1 | -2.19 | 120.26 | 126.42 |
| 11 | 13 | 302 | CLA | CMB-C2B-C3B | 2.19 | 128.78 | 124.68 |
| 11 | 16 | 309 | CLA | CMC-C2C-C1C | 2.19 | 128.38 | 125.04 |
| 12 | 8 | 306 | KC1 | CED-O2D-CGD | 2.19 | 120.89 | 115.94 |
| 14 | 8 | 318 | A86 | O-C13-C11 | -2.19 | 116.31 | 121.15 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 12 | 304 | CLA | O1D-CGD-CBD | -2.19 | 120.01 | 124.48 |
| 11 | 14 | 302 | CLA | CAA-C2A-C3A | -2.19 | 106.79 | 112.78 |
| 11 | 16 | 307 | CLA | CBC-CAC-C3C | -2.19 | 106.40 | 112.43 |
| 17 | 11 | 302 | LMT | C1B-O1B-C4' | -2.19 | 112.56 | 117.96 |
| 11 | 16 | 303 | CLA | O2D-CGD-O1D | -2.19 | 119.56 | 123.84 |
| 11 | 15 | 308 | CLA | CHA-C1A-NA | -2.19 | 121.39 | 126.40 |
| 11 | 15 | 308 | CLA | CMC-C2C-C1C | 2.18 | 128.37 | 125.04 |
| 14 | 14 | 316 | A86 | C20-C19-C18 | -2.18 | 108.43 | 112.75 |
| 12 | 8 | 313 | KC1 | CHB-C4A-NA | 2.18 | 127.64 | 124.20 |
| 11 | 8 | 303 | CLA | CHB-C4A-NA | 2.18 | 127.53 | 124.51 |
| 16 | 14 | 322 | LMG | O2-C2-C1 | -2.18 | 104.75 | 110.05 |
| 12 | 6 | 309 | KC1 | CAC-C3C-C4C | 2.18 | 127.64 | 124.81 |
| 11 | 8 | 302 | CLA | CHB-C4A-NA | 2.18 | 127.53 | 124.51 |
| 11 | 10 | 307 | CLA | CHA-C1A-NA | -2.18 | 121.41 | 126.40 |
| 14 | 14 | 317 | A86 | C10-C9-C8 | -2.18 | 116.42 | 123.22 |
| 14 | 10 | 316 | A86 | C19-C18-C17 | -2.18 | 106.56 | 110.77 |
| 11 | 15 | 303 | CLA | CBC-CAC-C3C | -2.18 | 106.42 | 112.43 |
| 12 | 13 | 308 | KC1 | CMC-C2C-C1C | 2.18 | 128.36 | 125.04 |
| 11 | 14 | 304 | CLA | O2D-CGD-O1D | -2.18 | 119.58 | 123.84 |
| 12 | 10 | 306 | KC1 | CBC-CAC-C3C | -2.18 | 106.43 | 112.43 |
| 11 | 13 | 309 | CLA | CBC-CAC-C3C | -2.18 | 106.43 | 112.43 |
| 14 | 15 | 322 | A86 | C28-C27-C26 | -2.18 | 119.87 | 122.92 |
| 12 | 14 | 311 | KC1 | CBC-CAC-C3C | -2.18 | 106.43 | 112.43 |
| 14 | 15 | 320 | A86 | C10-C9-C8 | 2.17 | 130.00 | 123.22 |
| 14 | 7 | 315 | A86 | C23-C16-C22 | -2.17 | 104.17 | 107.37 |
| 11 | 12 | 303 | CLA | CHB-C4A-NA | 2.17 | 127.51 | 124.51 |
| 11 | 7 | 309 | CLA | CBA-CAA-C2A | 2.17 | 120.27 | 113.86 |
| 12 | 13 | 311 | KC1 | O2D-CGD-O1D | -2.17 | 119.60 | 123.84 |
| 11 | 10 | 304 | CLA | CHB-C4A-NA | 2.17 | 127.51 | 124.51 |
| 12 | 11 | 311 | KC1 | CBC-CAC-C3C | -2.17 | 106.45 | 112.43 |
| 11 | 6 | 303 | CLA | C4-C3-C5 | 2.17 | 118.92 | 115.27 |
| 11 | 14 | 309 | CLA | CAA-C2A-C3A | -2.17 | 106.85 | 112.78 |
| 12 | 6 | 309 | KC1 | CHB-C4A-NA | 2.17 | 127.62 | 124.20 |
| 11 | 16 | 310 | CLA | CMB-C2B-C3B | 2.17 | 128.73 | 124.68 |
| 11 | 8 | 301 | CLA | O2A-C1-C2 | 2.16 | 114.32 | 108.64 |
| 12 | 8 | 307 | KC1 | CHB-C4A-NA | 2.16 | 127.61 | 124.20 |
| 12 | 11 | 304 | KC1 | CBC-CAC-C3C | -2.16 | 106.47 | 112.43 |
| 12 | 13 | 308 | KC1 | CHB-C4A-NA | 2.16 | 127.61 | 124.20 |
| 11 | 14 | 309 | CLA | CHA-C1A-NA | -2.16 | 121.45 | 126.40 |
| 11 | 6 | 307 | CLA | CAA-C2A-C3A | -2.16 | 106.86 | 112.78 |
| 14 | 15 | 320 | A86 | C4-C3-C2 | 2.16 | 127.90 | 123.47 |
| 14 | 11 | 315 | A86 | O4-C38-O5 | -2.16 | 118.67 | 122.96 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 14 | 10 | 301 | A86 | C26-C25-C24 | 2.16 | 129.95 | 123.22 |
| 14 | 11 | 314 | A86 | C23-C16-C17 | 2.16 | 112.73 | 108.98 |
| 11 | 15 | 305 | CLA | O1D-CGD-CBD | -2.16 | 120.07 | 124.48 |
| 12 | 7 | 307 | KC1 | CHB-C4A-NA | 2.16 | 127.61 | 124.20 |
| 11 | 7 | 305 | CLA | CMC-C2C-C1C | 2.16 | 128.32 | 125.04 |
| 11 | 16 | 301 | CLA | O2D-CGD-O1D | -2.15 | 119.62 | 123.84 |
| 11 | 6 | 314 | CLA | O2D-CGD-O1D | -2.15 | 119.63 | 123.84 |
| 11 | 10 | 307 | CLA | CBA-CAA-C2A | 2.15 | 120.22 | 113.86 |
| 11 | 6 | 301 | CLA | CMB-C2B-C3B | 2.15 | 128.71 | 124.68 |
| 16 | 8 | 323 | LMG | O1-C7-C8 | -2.15 | 105.70 | 110.90 |
| 12 | 6 | 309 | KC1 | CAA-C2A-C1A | -2.15 | 114.85 | 124.75 |
| 11 | 16 | 309 | CLA | O1D-CGD-CBD | -2.15 | 120.08 | 124.48 |
| 12 | 13 | 310 | KC1 | CHB-C4A-NA | 2.15 | 127.59 | 124.20 |
| 11 | 13 | 302 | CLA | CHB-C4A-NA | 2.15 | 127.48 | 124.51 |
| 11 | 14 | 303 | CLA | O2A-CGA-CBA | 2.15 | 118.65 | 111.91 |
| 12 | 6 | 308 | KC1 | CHB-C1B-NB | -2.15 | 122.48 | 124.45 |
| 14 | 14 | 321 | A86 | C24-C1-C2 | -2.15 | 115.64 | 118.94 |
| 11 | 15 | 311 | CLA | CMC-C2C-C1C | 2.15 | 128.31 | 125.04 |
| 12 | 14 | 308 | KC1 | O1D-CGD-CBD | -2.15 | 120.09 | 124.48 |
| 11 | 11 | 308 | CLA | C4-C3-C5 | 2.15 | 118.88 | 115.27 |
| 12 | 8 | 313 | KC1 | CED-O2D-CGD | 2.15 | 120.79 | 115.94 |
| 14 | 14 | 318 | A86 | O1-C15-C14 | 2.15 | 117.52 | 113.21 |
| 12 | 14 | 308 | KC1 | CHD-C4C-NC | 2.15 | 127.46 | 124.20 |
| 12 | 13 | 305 | KC1 | CMC-C2C-C1C | 2.15 | 128.31 | 125.04 |
| 17 | 12 | 318 | LMT | C2'-C3'-C4' | 2.15 | 114.58 | 109.68 |
| 11 | 16 | 306 | CLA | O2D-CGD-O1D | -2.15 | 119.64 | 123.84 |
| 12 | 8 | 307 | KC1 | O2D-CGD-O1D | -2.14 | 119.65 | 123.84 |
| 14 | 10 | 315 | A86 | C-C1-C2 | -2.14 | 119.92 | 122.92 |
| 14 | 16 | 314 | A86 | C26-C25-C24 | -2.14 | 116.53 | 123.22 |
| 11 | 14 | 310 | CLA | C5-C3-C4 | 2.14 | 119.33 | 114.60 |
| 11 | 6 | 307 | CLA | CBC-CAC-C3C | -2.14 | 106.53 | 112.43 |
| 13 | 7 | 313 | DD6 | C26-C25-C24 | -2.14 | 116.54 | 123.22 |
| 12 | 12 | 309 | KC1 | CHB-C1B-C2B | -2.14 | 120.99 | 125.48 |
| 12 | 14 | 308 | KC1 | CBD-CHA-C1A | 2.14 | 132.87 | 128.88 |
| 12 | 8 | 312 | KC1 | CHB-C4A-NA | 2.14 | 127.58 | 124.20 |
| 14 | 11 | 315 | A86 | C9-C10-C11 | -2.14 | 120.32 | 126.61 |
| 13 | 10 | 314 | DD6 | C10-C9-C8 | -2.14 | 116.54 | 123.22 |
| 11 | 8 | 304 | CLA | C2A-C3A-C4A | -2.14 | 98.41 | 101.87 |
| 12 | 6 | 310 | KC1 | CHB-C4A-NA | 2.14 | 127.58 | 124.20 |
| 12 | 13 | 311 | KC1 | CMC-C2C-C1C | 2.14 | 128.30 | 125.04 |
| 11 | 13 | 309 | CLA | O2D-CGD-O1D | -2.14 | 119.66 | 123.84 |
| 11 | 13 | 302 | CLA | CED-O2D-CGD | 2.14 | 120.77 | 115.94 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 13 | 13 | 314 | DD6 | C4-C3-C2 | -2.14 | 119.10 | 123.47 |
| 11 | 10 | 303 | CLA | O2A-CGA-CBA | 2.14 | 118.61 | 111.91 |
| 14 | 14 | 316 | A86 | C7-C6-C8 | 2.14 | 121.44 | 118.08 |
| 11 | 15 | 310 | CLA | CMC-C2C-C1C | 2.14 | 128.29 | 125.04 |
| 11 | 10 | 308 | CLA | C4-C3-C5 | 2.14 | 118.86 | 115.27 |
| 13 | 6 | 316 | DD6 | C3-C4-C5 | -2.14 | 119.10 | 123.47 |
| 11 | 7 | 309 | CLA | CMC-C2C-C1C | 2.13 | 128.29 | 125.04 |
| 14 | 14 | 315 | A86 | C22-C16-C17 | -2.13 | 105.28 | 108.98 |
| 11 | 14 | 302 | CLA | CMD-C2D-C3D | -2.13 | 122.71 | 127.61 |
| 11 | 13 | 302 | CLA | O2A-CGA-CBA | 2.13 | 118.59 | 111.91 |
| 13 | 13 | 314 | DD6 | C33-C32-C31 | 2.13 | 113.94 | 109.62 |
| 11 | 12 | 304 | CLA | CMC-C2C-C1C | 2.13 | 128.28 | 125.04 |
| 12 | 6 | 308 | KC1 | CHB-C4A-NA | 2.13 | 127.56 | 124.20 |
| 14 | 10 | 301 | A86 | O3-C36-C37 | -2.13 | 105.61 | 109.39 |
| 14 | 14 | 315 | A86 | C3-C4-C5 | -2.13 | 119.12 | 123.47 |
| 14 | 11 | 314 | A86 | C-C1-C24 | 2.13 | 121.43 | 118.08 |
| 12 | 10 | 312 | KC1 | CHB-C1B-NB | -2.13 | 122.50 | 124.45 |
| 12 | 7 | 312 | KC1 | O2D-CGD-O1D | -2.13 | 119.68 | 123.84 |
| 11 | 7 | 309 | CLA | C1-C2-C3 | -2.13 | 122.37 | 126.04 |
| 12 | 12 | 309 | KC1 | CHB-C1B-NB | -2.13 | 122.50 | 124.45 |
| 11 | 16 | 306 | CLA | CHB-C4A-NA | 2.12 | 127.45 | 124.51 |
| 14 | 14 | 318 | A86 | C10-C9-C8 | -2.12 | 116.59 | 123.22 |
| 13 | 7 | 317 | DD6 | C25-C24-C1 | -2.12 | 120.45 | 126.42 |
| 11 | 7 | 304 | CLA | OBD-CAD-C3D | -2.12 | 123.41 | 128.52 |
| 14 | 15 | 315 | A86 | O-C13-C14 | -2.12 | 117.34 | 121.66 |
| 11 | 6 | 306 | CLA | O1D-CGD-CBD | -2.12 | 120.14 | 124.48 |
| 11 | 14 | 312 | CLA | CED-O2D-CGD | 2.12 | 120.74 | 115.94 |
| 11 | 14 | 313 | CLA | O1D-CGD-CBD | -2.12 | 120.14 | 124.48 |
| 11 | 8 | 305 | CLA | CBC-CAC-C3C | -2.12 | 106.58 | 112.43 |
| 12 | 13 | 308 | KC1 | CHB-C1B-NB | -2.12 | 122.50 | 124.45 |
| 11 | 16 | 308 | CLA | CHA-C1A-NA | -2.12 | 121.54 | 126.40 |
| 12 | 14 | 311 | KC1 | CBD-CHA-C1A | 2.12 | 132.83 | 128.88 |
| 16 | 8 | 323 | LMG | C1-O6-C5 | -2.12 | 109.53 | 113.69 |
| 11 | 13 | 301 | CLA | C1B-CHB-C4A | -2.12 | 125.92 | 130.12 |
| 11 | 13 | 304 | CLA | O1D-CGD-CBD | -2.12 | 120.15 | 124.48 |
| 11 | 16 | 305 | CLA | CMB-C2B-C3B | 2.11 | 128.63 | 124.68 |
| 11 | 13 | 302 | CLA | O2D-CGD-O1D | -2.11 | 119.70 | 123.84 |
| 12 | 13 | 305 | KC1 | CBD-CHA-C1A | 2.11 | 132.82 | 128.88 |
| 14 | 11 | 313 | A86 | C8-C6-C5 | 2.11 | 122.19 | 118.94 |
| 11 | 6 | 312 | CLA | CBC-CAC-C3C | -2.11 | 106.60 | 112.43 |
| 11 | 14 | 307 | CLA | CHA-C1A-NA | -2.11 | 121.56 | 126.40 |
| 11 | 13 | 309 | CLA | CMC-C2C-C1C | 2.11 | 128.25 | 125.04 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 13 | 7 | 313 | DD6 | C23-C16-C17 | -2.11 | 105.32 | 108.98 |
| 14 | 8 | 318 | A86 | C22-C16-C17 | -2.11 | 105.32 | 108.98 |
| 11 | 15 | 309 | CLA | CBC-CAC-C3C | -2.11 | 106.61 | 112.43 |
| 12 | 13 | 308 | KC1 | O1D-CGD-CBD | -2.11 | 120.17 | 124.48 |
| 11 | 15 | 302 | CLA | CBC-CAC-C3C | -2.11 | 106.61 | 112.43 |
| 11 | 15 | 303 | CLA | CHB-C4A-NA | 2.11 | 127.43 | 124.51 |
| 12 | 10 | 312 | KC1 | CHB-C4A-NA | 2.11 | 127.53 | 124.20 |
| 14 | 7 | 318 | A86 | C28-C27-C26 | -2.11 | 119.97 | 122.92 |
| 12 | 6 | 305 | KC1 | CHB-C1B-NB | -2.11 | 122.52 | 124.45 |
| 11 | 14 | 304 | CLA | CHB-C4A-NA | 2.11 | 127.43 | 124.51 |
| 11 | 8 | 309 | CLA | CMC-C2C-C1C | 2.11 | 128.25 | 125.04 |
| 12 | 13 | 306 | KC1 | CED-O2D-CGD | 2.11 | 120.70 | 115.94 |
| 11 | 6 | 313 | CLA | CHA-C1A-NA | -2.11 | 121.57 | 126.40 |
| 11 | 10 | 309 | CLA | C1-C2-C3 | -2.11 | 122.40 | 126.04 |
| 12 | 12 | 313 | KC1 | CBC-CAC-C3C | -2.11 | 106.63 | 112.43 |
| 11 | 7 | 302 | CLA | C1-O2A-CGA | 2.10 | 121.96 | 116.44 |
| 14 | 8 | 315 | A86 | O4-C38-O5 | -2.10 | 118.78 | 122.96 |
| 11 | 15 | 312 | CLA | O1D-CGD-CBD | -2.10 | 120.18 | 124.48 |
| 11 | 8 | 302 | CLA | O2D-CGD-O1D | -2.10 | 119.73 | 123.84 |
| 14 | 15 | 315 | A86 | C12-C11-C10 | -2.10 | 118.34 | 123.42 |
| 14 | 14 | 319 | A86 | C8-C6-C5 | 2.10 | 122.16 | 118.94 |
| 14 | 15 | 320 | A86 | C9-C8-C6 | 2.10 | 132.31 | 126.42 |
| 12 | 12 | 311 | KC1 | CBC-CAC-C3C | -2.10 | 106.64 | 112.43 |
| 14 | 11 | 301 | A86 | C4-C3-C2 | -2.10 | 119.17 | 123.47 |
| 12 | 10 | 306 | KC1 | CAA-C2A-C1A | -2.10 | 115.10 | 124.75 |
| 11 | 14 | 305 | CLA | CMC-C2C-C1C | 2.10 | 128.23 | 125.04 |
| 11 | 12 | 306 | CLA | CMC-C2C-C1C | 2.10 | 128.23 | 125.04 |
| 11 | 13 | 301 | CLA | O2A-C1-C2 | 2.10 | 114.15 | 108.64 |
| 14 | 11 | 301 | A86 | C22-C16-C17 | -2.10 | 105.34 | 108.98 |
| 11 | 12 | 321 | CLA | CHA-C1A-NA | -2.10 | 121.60 | 126.40 |
| 12 | 10 | 310 | KC1 | CHB-C4A-NA | 2.10 | 127.51 | 124.20 |
| 16 | 7 | 319 | LMG | C9-C8-C7 | -2.09 | 106.83 | 111.79 |
| 11 | 13 | 301 | CLA | CBC-CAC-C3C | -2.09 | 106.66 | 112.43 |
| 11 | 16 | 301 | CLA | C6-C7-C8 | -2.09 | 109.15 | 115.92 |
| 11 | 6 | 306 | CLA | CHB-C4A-NA | 2.09 | 127.41 | 124.51 |
| 11 | 12 | 308 | CLA | CHB-C4A-NA | 2.09 | 127.41 | 124.51 |
| 11 | 13 | 301 | CLA | O1D-CGD-CBD | -2.09 | 120.20 | 124.48 |
| 14 | 14 | 301 | A86 | C36-C31-C32 | -2.09 | 117.62 | 119.70 |
| 11 | 14 | 307 | CLA | CED-O2D-CGD | 2.09 | 120.67 | 115.94 |
| 12 | 11 | 304 | KC1 | O2D-CGD-O1D | -2.09 | 119.75 | 123.84 |
| 13 | 11 | 312 | DD6 | C22-C16-C15 | 2.09 | 115.69 | 110.05 |
| 16 | 8 | 321 | LMG | O2-C2-C1 | -2.09 | 104.97 | 110.05 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 11 | 6 | 303 | CLA | CAA-C2A-C3A | -2.09 | 107.06 | 112.78 |
| 14 | 13 | 313 | A86 | C25-C24-C1 | -2.09 | 120.55 | 126.42 |
| 11 | 11 | 305 | CLA | CBC-CAC-C3C | -2.09 | 106.67 | 112.43 |
| 11 | 10 | 309 | CLA | CBC-CAC-C3C | -2.09 | 106.67 | 112.43 |
| 12 | 8 | 306 | KC1 | CHB-C1B-NB | -2.09 | 122.53 | 124.45 |
| 11 | 15 | 303 | CLA | CMB-C2B-C3B | 2.09 | 128.58 | 124.68 |
| 11 | 16 | 306 | CLA | C4-C3-C5 | 2.09 | 118.78 | 115.27 |
| 14 | 11 | 301 | A86 | C8-C6-C5 | -2.09 | 115.74 | 118.94 |
| 17 | 11 | 316 | LMT | C2'-C3'-C4' | 2.08 | 114.44 | 109.68 |
| 11 | 13 | 309 | CLA | CHA-C1A-NA | -2.08 | 121.63 | 126.40 |
| 12 | 11 | 310 | KC1 | CHB-C4A-NA | 2.08 | 127.48 | 124.20 |
| 11 | 8 | 308 | CLA | C4-C3-C5 | 2.08 | 118.77 | 115.27 |
| 11 | 15 | 303 | CLA | CHA-C1A-NA | -2.08 | 121.63 | 126.40 |
| 11 | 13 | 303 | CLA | O1D-CGD-CBD | -2.08 | 120.22 | 124.48 |
| 14 | 7 | 315 | A86 | C35-C34-C33 | 2.08 | 113.51 | 109.88 |
| 14 | 8 | 318 | A86 | C25-C24-C1 | -2.08 | 120.57 | 126.42 |
| 11 | 7 | 304 | CLA | O2A-CGA-CBA | 2.08 | 118.44 | 111.91 |
| 14 | 15 | 316 | A86 | C19-C18-C17 | 2.08 | 114.79 | 110.77 |
| 17 | 11 | 316 | LMT | O5'-C5'-C6' | 2.08 | 111.60 | 106.44 |
| 14 | 12 | 314 | A86 | C25-C26-C27 | -2.08 | 124.35 | 127.31 |
| 11 | 13 | 302 | CLA | C1-C2-C3 | -2.08 | 122.45 | 126.04 |
| 11 | 7 | 308 | CLA | CAA-C2A-C3A | -2.08 | 107.09 | 112.78 |
| 14 | 15 | 316 | A86 | C35-C34-C33 | 2.08 | 113.50 | 109.88 |
| 11 | 8 | 303 | CLA | CBC-CAC-C3C | -2.08 | 106.71 | 112.43 |
| 13 | 6 | 316 | DD6 | C33-C34-C35 | -2.07 | 107.47 | 110.30 |
| 12 | 8 | 313 | KC1 | CHB-C1B-NB | -2.07 | 122.55 | 124.45 |
| 13 | 8 | 316 | DD6 | C40-C32-C31 | -2.07 | 107.18 | 110.47 |
| 12 | 14 | 311 | KC1 | O2D-CGD-O1D | -2.07 | 119.79 | 123.84 |
| 16 | 8 | 320 | LMG | O2-C2-C1 | -2.07 | 105.02 | 110.05 |
| 11 | 6 | 306 | CLA | CBA-CAA-C2A | 2.07 | 119.97 | 113.86 |
| 11 | 13 | 307 | CLA | CED-O2D-CGD | 2.07 | 120.61 | 115.94 |
| 14 | 10 | 315 | A86 | C7-C6-C8 | 2.07 | 121.33 | 118.08 |
| 11 | 7 | 305 | CLA | CHA-C1A-NA | -2.07 | 121.67 | 126.40 |
| 11 | 15 | 312 | CLA | CAA-C2A-C3A | -2.07 | 107.12 | 112.78 |
| 11 | 6 | 304 | CLA | CBA-CAA-C2A | -2.06 | 107.77 | 113.86 |
| 13 | 7 | 317 | DD6 | C23-C16-C17 | -2.06 | 105.40 | 108.98 |
| 13 | 7 | 301 | DD6 | C22-C16-C15 | 2.06 | 115.62 | 110.05 |
| 11 | 10 | 307 | CLA | C1-O2A-CGA | 2.06 | 121.86 | 116.44 |
| 11 | 7 | 308 | CLA | O2A-CGA-O1A | -2.06 | 118.38 | 123.59 |
| 11 | 16 | 306 | CLA | O1D-CGD-CBD | -2.06 | 120.26 | 124.48 |
| 11 | 6 | 306 | CLA | C2A-C3A-C4A | -2.06 | 98.54 | 101.87 |
| 11 | 10 | 305 | CLA | CMC-C2C-C1C | 2.06 | 128.18 | 125.04 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 14 | 10 | 317 | A86 | C9-C8-C6 | -2.06 | 120.62 | 126.42 |
| 11 | 16 | 306 | CLA | CAA-C2A-C1A | 2.06 | 118.73 | 111.97 |
| 13 | 11 | 312 | DD6 | C23-C16-C17 | -2.06 | 105.40 | 108.98 |
| 11 | 8 | 304 | CLA | CHC-C1C-NC | 2.06 | 127.33 | 124.20 |
| 11 | 7 | 303 | CLA | CHB-C4A-NA | 2.06 | 127.36 | 124.51 |
| 11 | 6 | 307 | CLA | C1-C2-C3 | -2.06 | 122.48 | 126.04 |
| 11 | 13 | 301 | CLA | C4-C3-C5 | 2.06 | 118.73 | 115.27 |
| 13 | 7 | 313 | DD6 | C23-C16-C15 | -2.06 | 104.49 | 110.05 |
| 12 | 11 | 310 | KC1 | CBC-CAC-C3C | -2.06 | 106.76 | 112.43 |
| 14 | 16 | 314 | A86 | C9-C10-C11 | -2.06 | 120.56 | 126.61 |
| 17 | 7 | 320 | LMT | C1B-O1B-C4' | -2.06 | 112.87 | 117.96 |
| 13 | 8 | 317 | DD6 | C3-C4-C5 | -2.06 | 119.26 | 123.47 |
| 11 | 8 | 301 | CLA | CAA-C2A-C3A | -2.06 | 107.14 | 112.78 |
| 13 | 8 | 317 | DD6 | C23-C16-C15 | 2.06 | 115.60 | 110.05 |
| 14 | 10 | 301 | A86 | C34-O4-C38 | -2.06 | 114.06 | 117.90 |
| 14 | 16 | 312 | A86 | C41-C32-C31 | -2.05 | 108.63 | 110.47 |
| 14 | 10 | 315 | A86 | C10-C9-C8 | -2.05 | 116.81 | 123.22 |
| 12 | 7 | 307 | KC1 | O2D-CGD-O1D | -2.05 | 119.82 | 123.84 |
| 13 | 11 | 312 | DD6 | C25-C24-C1 | -2.05 | 120.65 | 126.42 |
| 12 | 8 | 306 | KC1 | O2D-CGD-O1D | -2.05 | 119.83 | 123.84 |
| 12 | 11 | 304 | KC1 | CHB-C4A-NA | 2.05 | 127.44 | 124.20 |
| 14 | 15 | 315 | A86 | C28-C27-C26 | -2.05 | 120.05 | 122.92 |
| 12 | 11 | 306 | KC1 | CBC-CAC-C3C | -2.05 | 106.78 | 112.43 |
| 14 | 16 | 314 | A86 | C28-C27-C26 | -2.05 | 120.05 | 122.92 |
| 11 | 16 | 303 | CLA | CMB-C2B-C3B | 2.05 | 128.51 | 124.68 |
| 11 | 15 | 305 | CLA | O2A-CGA-CBA | 2.05 | 120.61 | 114.03 |
| 11 | 7 | 304 | CLA | C4-C3-C5 | 2.05 | 118.72 | 115.27 |
| 11 | 11 | 309 | CLA | CBC-CAC-C3C | -2.05 | 106.79 | 112.43 |
| 11 | 6 | 302 | CLA | CMA-C3A-C4A | -2.04 | 106.28 | 111.77 |
| 12 | 14 | 306 | KC1 | CMB-C2B-C1B | 2.04 | 128.31 | 124.71 |
| 14 | 14 | 314 | A86 | C26-C25-C24 | -2.04 | 116.84 | 123.22 |
| 11 | 15 | 307 | CLA | CMC-C2C-C1C | 2.04 | 128.15 | 125.04 |
| 12 | 8 | 313 | KC1 | OBD-CAD-C3D | -2.04 | 124.59 | 127.98 |
| 11 | 6 | 301 | CLA | C2A-C3A-C4A | -2.04 | 98.57 | 101.87 |
| 11 | 15 | 313 | CLA | CGD-CBD-CAD | -2.04 | 104.12 | 110.73 |
| 13 | 6 | 315 | DD6 | C23-C16-C17 | 2.04 | 112.53 | 108.98 |
| 14 | 14 | 314 | A86 | C7-C6-C8 | -2.04 | 114.86 | 118.08 |
| 11 | 12 | 321 | CLA | CED-O2D-CGD | 2.04 | 120.56 | 115.94 |
| 11 | 7 | 302 | CLA | C6-C5-C3 | -2.04 | 108.10 | 113.45 |
| 12 | 10 | 306 | KC1 | CBD-CHA-C1A | 2.04 | 132.69 | 128.88 |
| 11 | 6 | 313 | CLA | CED-O2D-CGD | 2.04 | 120.55 | 115.94 |
| 11 | 7 | 302 | CLA | O2A-CGA-O1A | -2.04 | 118.44 | 123.59 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 14 | 14 | 318 | A86 | C-C1-C24 | 2.04 | 121.29 | 118.08 |
| 14 | 6 | 317 | A86 | C23-C16-C17 | -2.04 | 105.44 | 108.98 |
| 14 | 14 | 301 | A86 | C3-C4-C5 | -2.04 | 119.30 | 123.47 |
| 14 | 16 | 314 | A86 | C4-C3-C2 | -2.04 | 119.30 | 123.47 |
| 11 | 6 | 302 | CLA | O2A-CGA-O1A | -2.04 | 118.45 | 123.59 |
| 12 | 13 | 306 | KC1 | CHB-C4A-NA | 2.04 | 127.41 | 124.20 |
| 11 | 10 | 308 | CLA | C6-C7-C8 | -2.04 | 109.34 | 115.92 |
| 14 | 10 | 315 | A86 | C4-C5-C6 | -2.04 | 124.41 | 127.31 |
| 13 | 7 | 316 | DD6 | C9-C8-C6 | -2.04 | 120.70 | 126.42 |
| 12 | 8 | 312 | KC1 | O2A-CGA-O1A | -2.04 | 118.44 | 122.67 |
| 11 | 7 | 308 | CLA | C1-C2-C3 | -2.04 | 122.52 | 126.04 |
| 13 | 12 | 315 | DD6 | C33-C32-C31 | 2.03 | 113.74 | 109.62 |
| 14 | 14 | 301 | A86 | C7-C6-C8 | 2.03 | 121.28 | 118.08 |
| 17 | 11 | 316 | LMT | O1B-C4'-C3' | 2.03 | 112.69 | 107.28 |
| 11 | 12 | 302 | CLA | C16-C15-C13 | -2.03 | 109.35 | 115.92 |
| 12 | 13 | 306 | KC1 | O1D-CGD-CBD | -2.03 | 120.33 | 124.48 |
| 11 | 14 | 313 | CLA | CGD-CBD-CAD | -2.03 | 104.15 | 110.73 |
| 11 | 12 | 303 | CLA | CHA-C1A-NA | -2.03 | 121.75 | 126.40 |
| 12 | 12 | 309 | KC1 | O1D-CGD-CBD | -2.03 | 120.33 | 124.48 |
| 11 | 14 | 302 | CLA | C1-O2A-CGA | 2.03 | 121.77 | 116.44 |
| 14 | 10 | 316 | A86 | C41-C32-C31 | -2.03 | 108.66 | 110.47 |
| 14 | 7 | 314 | A86 | C12-C11-C13 | 2.03 | 119.43 | 116.02 |
| 11 | 15 | 305 | CLA | CHA-C1A-NA | -2.03 | 121.76 | 126.40 |
| 11 | 15 | 310 | CLA | O1D-CGD-CBD | -2.03 | 120.34 | 124.48 |
| 11 | 11 | 307 | CLA | C1-C2-C3 | -2.02 | 122.54 | 126.04 |
| 14 | 8 | 318 | A86 | C40-C32-C31 | -2.02 | 108.66 | 110.47 |
| 11 | 14 | 312 | CLA | CMC-C2C-C1C | 2.02 | 128.12 | 125.04 |
| 12 | 12 | 311 | KC1 | O2A-CGA-O1A | -2.02 | 118.47 | 122.67 |
| 11 | 6 | 307 | CLA | CED-O2D-CGD | 2.02 | 120.51 | 115.94 |
| 11 | 12 | 307 | CLA | CAA-CBA-CGA | -2.02 | 107.34 | 113.25 |
| 14 | 10 | 302 | A86 | C-C1-C24 | 2.02 | 121.26 | 118.08 |
| 14 | 10 | 302 | A86 | O-C13-C11 | -2.02 | 116.68 | 121.15 |
| 11 | 6 | 314 | CLA | C1-C2-C3 | -2.02 | 122.55 | 126.04 |
| 11 | 13 | 302 | CLA | CBC-CAC-C3C | -2.02 | 106.86 | 112.43 |
| 11 | 10 | 303 | CLA | CHA-C1A-NA | -2.02 | 121.77 | 126.40 |
| 11 | 14 | 305 | CLA | C5-C3-C4 | 2.02 | 119.06 | 114.60 |
| 11 | 13 | 301 | CLA | CHA-C1A-NA | -2.02 | 121.78 | 126.40 |
| 14 | 15 | 315 | A86 | C9-C10-C11 | -2.02 | 120.67 | 126.61 |
| 14 | 11 | 314 | A86 | C35-C34-C33 | 2.02 | 113.40 | 109.88 |
| 11 | 15 | 306 | CLA | O2A-CGA-CBA | 2.02 | 120.51 | 114.03 |
| 14 | 10 | 302 | A86 | C-C1-C2 | -2.02 | 120.10 | 122.92 |
| 11 | 7 | 303 | CLA | C6-C7-C8 | -2.01 | 109.41 | 115.92 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 12 | 8 | 311 | KC1 | CED-O2D-CGD | 2.01 | 120.49 | 115.94 |
| 14 | 7 | 318 | A86 | C4-C3-C2 | -2.01 | 119.35 | 123.47 |
| 11 | 16 | 303 | CLA | CBC-CAC-C3C | -2.01 | 106.88 | 112.43 |
| 12 | 10 | 310 | KC1 | O2D-CGD-O1D | -2.01 | 119.90 | 123.84 |
| 11 | 7 | 311 | CLA | O2A-CGA-CBA | 2.01 | 120.19 | 112.23 |
| 14 | 15 | 322 | A86 | C34-O4-C38 | -2.01 | 114.14 | 117.90 |
| 11 | 16 | 301 | CLA | C11-C10-C8 | -2.01 | 109.42 | 115.92 |
| 12 | 8 | 313 | KC1 | O1D-CGD-CBD | -2.01 | 120.37 | 124.48 |
| 11 | 16 | 302 | CLA | C1-O2A-CGA | 2.01 | 121.71 | 116.44 |
| 12 | 11 | 310 | KC1 | CMB-C2B-C1B | 2.01 | 128.25 | 124.71 |
| 11 | 7 | 303 | CLA | O2D-CGD-O1D | -2.01 | 119.92 | 123.84 |
| 11 | 6 | 311 | CLA | C1B-CHB-C4A | -2.01 | 126.14 | 130.12 |
| 11 | 10 | 307 | CLA | CBC-CAC-C3C | -2.01 | 106.90 | 112.43 |
| 11 | 6 | 307 | CLA | O2D-CGD-O1D | -2.00 | 119.92 | 123.84 |
| 11 | 7 | 302 | CLA | C4-C3-C2 | -2.00 | 118.54 | 123.68 |
| 11 | 15 | 303 | CLA | O2A-CGA-O1A | -2.00 | 118.54 | 123.59 |
| 11 | 15 | 304 | CLA | C2A-C3A-C4A | -2.00 | 98.64 | 101.87 |
| 14 | 14 | 314 | A86 | C9-C8-C6 | 2.00 | 132.04 | 126.42 |
| 12 | 10 | 310 | KC1 | CMB-C2B-C1B | 2.00 | 128.24 | 124.71 |
| 14 | 10 | 317 | A86 | C3-C4-C5 | -2.00 | 119.38 | 123.47 |

All (63) chirality outliers are listed below:

| Mol | Chain | Res | Type | Atom |
|-----|-------|-----|------|------|
| 11 | 6 | 301 | CLA | ND |
| 11 | 6 | 302 | CLA | ND |
| 11 | 6 | 303 | CLA | ND |
| 11 | 6 | 304 | CLA | ND |
| 11 | 6 | 306 | CLA | ND |
| 11 | 6 | 307 | CLA | ND |
| 11 | 6 | 312 | CLA | ND |
| 11 | 6 | 313 | CLA | ND |
| 11 | 6 | 314 | CLA | ND |
| 11 | 7 | 302 | CLA | ND |
| 11 | 7 | 303 | CLA | ND |
| 11 | 7 | 304 | CLA | ND |
| 11 | 7 | 305 | CLA | ND |
| 11 | 7 | 308 | CLA | ND |
| 11 | 7 | 309 | CLA | ND |
| 11 | 7 | 310 | CLA | ND |
| 11 | 8 | 301 | CLA | ND |
| 11 | 8 | 302 | CLA | ND |

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| Mol | Chain | Res | Type | Atom |
|------------|--------------|------------|-------------|-------------|
| 11 | 8 | 303 | CLA | ND |
| 11 | 8 | 304 | CLA | ND |
| 11 | 8 | 308 | CLA | ND |
| 11 | 10 | 304 | CLA | ND |
| 11 | 10 | 305 | CLA | ND |
| 11 | 10 | 307 | CLA | ND |
| 11 | 10 | 308 | CLA | ND |
| 11 | 10 | 309 | CLA | ND |
| 11 | 11 | 305 | CLA | ND |
| 11 | 11 | 307 | CLA | ND |
| 11 | 11 | 309 | CLA | ND |
| 11 | 12 | 303 | CLA | ND |
| 11 | 12 | 304 | CLA | ND |
| 11 | 12 | 306 | CLA | ND |
| 11 | 12 | 307 | CLA | ND |
| 11 | 12 | 308 | CLA | ND |
| 11 | 12 | 312 | CLA | ND |
| 11 | 12 | 321 | CLA | ND |
| 11 | 13 | 302 | CLA | ND |
| 11 | 13 | 307 | CLA | ND |
| 11 | 13 | 309 | CLA | ND |
| 11 | 14 | 302 | CLA | ND |
| 11 | 14 | 303 | CLA | ND |
| 11 | 14 | 304 | CLA | ND |
| 11 | 14 | 305 | CLA | ND |
| 11 | 14 | 309 | CLA | ND |
| 11 | 14 | 310 | CLA | ND |
| 11 | 14 | 313 | CLA | ND |
| 11 | 15 | 303 | CLA | ND |
| 11 | 15 | 304 | CLA | ND |
| 11 | 15 | 305 | CLA | ND |
| 11 | 15 | 306 | CLA | ND |
| 11 | 15 | 307 | CLA | ND |
| 11 | 15 | 308 | CLA | ND |
| 11 | 15 | 309 | CLA | ND |
| 11 | 15 | 310 | CLA | ND |
| 11 | 15 | 311 | CLA | ND |
| 11 | 15 | 312 | CLA | ND |
| 11 | 16 | 302 | CLA | ND |
| 11 | 16 | 303 | CLA | ND |
| 11 | 16 | 305 | CLA | ND |
| 11 | 16 | 306 | CLA | ND |

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| Mol | Chain | Res | Type | Atom |
|-----|-------|-----|------|------|
| 11 | 16 | 307 | CLA | ND |
| 11 | 16 | 308 | CLA | ND |
| 11 | 16 | 310 | CLA | ND |

All (1794) torsion outliers are listed below:

| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 11 | 6 | 301 | CLA | C1A-C2A-CAA-CBA |
| 11 | 6 | 301 | CLA | C3A-C2A-CAA-CBA |
| 11 | 6 | 304 | CLA | C2-C3-C5-C6 |
| 11 | 6 | 304 | CLA | C4-C3-C5-C6 |
| 11 | 6 | 306 | CLA | C1A-C2A-CAA-CBA |
| 11 | 6 | 311 | CLA | C4-C3-C5-C6 |
| 11 | 7 | 303 | CLA | C2-C3-C5-C6 |
| 11 | 7 | 303 | CLA | C4-C3-C5-C6 |
| 11 | 7 | 306 | CLA | C1A-C2A-CAA-CBA |
| 11 | 7 | 306 | CLA | C3A-C2A-CAA-CBA |
| 11 | 7 | 306 | CLA | CBD-CGD-O2D-CED |
| 11 | 7 | 306 | CLA | C2-C3-C5-C6 |
| 11 | 7 | 306 | CLA | C4-C3-C5-C6 |
| 11 | 7 | 309 | CLA | C1A-C2A-CAA-CBA |
| 11 | 7 | 309 | CLA | C3A-C2A-CAA-CBA |
| 11 | 7 | 309 | CLA | CBD-CGD-O2D-CED |
| 11 | 7 | 311 | CLA | C2A-CAA-CBA-CGA |
| 11 | 8 | 301 | CLA | C3A-C2A-CAA-CBA |
| 11 | 8 | 302 | CLA | C2-C3-C5-C6 |
| 11 | 8 | 302 | CLA | C4-C3-C5-C6 |
| 11 | 8 | 305 | CLA | C1A-C2A-CAA-CBA |
| 11 | 8 | 305 | CLA | C2-C3-C5-C6 |
| 11 | 10 | 303 | CLA | C3A-C2A-CAA-CBA |
| 11 | 10 | 305 | CLA | C1A-C2A-CAA-CBA |
| 11 | 10 | 307 | CLA | C1A-C2A-CAA-CBA |
| 11 | 10 | 307 | CLA | C3A-C2A-CAA-CBA |
| 11 | 10 | 309 | CLA | C4-C3-C5-C6 |
| 11 | 11 | 303 | CLA | O1A-CGA-O2A-C1 |
| 11 | 11 | 305 | CLA | C1A-C2A-CAA-CBA |
| 11 | 11 | 307 | CLA | C2-C1-O2A-CGA |
| 11 | 12 | 302 | CLA | C4-C3-C5-C6 |
| 11 | 12 | 312 | CLA | C1A-C2A-CAA-CBA |
| 11 | 13 | 301 | CLA | C1A-C2A-CAA-CBA |
| 11 | 13 | 301 | CLA | C3A-C2A-CAA-CBA |
| 11 | 13 | 303 | CLA | C1A-C2A-CAA-CBA |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 11 | 13 | 307 | CLA | C2-C3-C5-C6 |
| 11 | 13 | 307 | CLA | C4-C3-C5-C6 |
| 11 | 13 | 309 | CLA | C1A-C2A-CAA-CBA |
| 11 | 14 | 303 | CLA | C1A-C2A-CAA-CBA |
| 11 | 14 | 312 | CLA | CHA-CBD-CGD-O1D |
| 11 | 14 | 312 | CLA | CHA-CBD-CGD-O2D |
| 11 | 14 | 313 | CLA | C1A-C2A-CAA-CBA |
| 11 | 14 | 313 | CLA | CHA-CBD-CGD-O1D |
| 11 | 14 | 313 | CLA | CHA-CBD-CGD-O2D |
| 11 | 15 | 302 | CLA | C2-C3-C5-C6 |
| 11 | 15 | 302 | CLA | C4-C3-C5-C6 |
| 11 | 15 | 303 | CLA | C3A-C2A-CAA-CBA |
| 11 | 15 | 303 | CLA | C2-C3-C5-C6 |
| 11 | 15 | 303 | CLA | C4-C3-C5-C6 |
| 11 | 15 | 305 | CLA | CHA-CBD-CGD-O2D |
| 11 | 15 | 306 | CLA | CHA-CBD-CGD-O1D |
| 11 | 15 | 306 | CLA | CHA-CBD-CGD-O2D |
| 11 | 15 | 308 | CLA | C1A-C2A-CAA-CBA |
| 11 | 15 | 309 | CLA | CBD-CGD-O2D-CED |
| 11 | 15 | 310 | CLA | CHA-CBD-CGD-O2D |
| 11 | 15 | 311 | CLA | C1A-C2A-CAA-CBA |
| 11 | 15 | 313 | CLA | CAD-CBD-CGD-O1D |
| 11 | 15 | 313 | CLA | C2-C3-C5-C6 |
| 11 | 15 | 313 | CLA | C4-C3-C5-C6 |
| 11 | 16 | 301 | CLA | C3A-C2A-CAA-CBA |
| 11 | 16 | 303 | CLA | C1A-C2A-CAA-CBA |
| 11 | 16 | 303 | CLA | C3A-C2A-CAA-CBA |
| 11 | 16 | 303 | CLA | C2-C3-C5-C6 |
| 11 | 16 | 303 | CLA | C4-C3-C5-C6 |
| 11 | 16 | 306 | CLA | C1A-C2A-CAA-CBA |
| 11 | 16 | 307 | CLA | C1A-C2A-CAA-CBA |
| 11 | 16 | 307 | CLA | CHA-CBD-CGD-O1D |
| 11 | 16 | 307 | CLA | CHA-CBD-CGD-O2D |
| 11 | 16 | 308 | CLA | C1A-C2A-CAA-CBA |
| 11 | 16 | 309 | CLA | CHA-CBD-CGD-O1D |
| 11 | 16 | 309 | CLA | CHA-CBD-CGD-O2D |
| 11 | 16 | 310 | CLA | CBD-CGD-O2D-CED |
| 12 | 6 | 305 | KC1 | C1A-C2A-CAA-CBA |
| 12 | 6 | 305 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 6 | 308 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 6 | 308 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 6 | 309 | KC1 | C3A-C2A-CAA-CBA |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 12 | 6 | 310 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 7 | 307 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 7 | 312 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 7 | 312 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 8 | 306 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 8 | 306 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 8 | 306 | KC1 | CAA-CBA-CGA-O1A |
| 12 | 8 | 306 | KC1 | CAA-CBA-CGA-O2A |
| 12 | 8 | 307 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 8 | 307 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 8 | 307 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 8 | 307 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 8 | 310 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 8 | 310 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 8 | 311 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 8 | 311 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 8 | 311 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 8 | 312 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 8 | 312 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 8 | 313 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 8 | 313 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 8 | 313 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 8 | 314 | KC1 | C1A-C2A-CAA-CBA |
| 12 | 8 | 314 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 10 | 306 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 10 | 306 | KC1 | CHA-CBD-CGD-O2D |
| 12 | 10 | 310 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 10 | 310 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 10 | 312 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 11 | 304 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 11 | 304 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 11 | 306 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 11 | 306 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 11 | 306 | KC1 | CHA-CBD-CGD-O2D |
| 12 | 11 | 310 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 11 | 310 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 11 | 311 | KC1 | C1A-C2A-CAA-CBA |
| 12 | 11 | 311 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 11 | 311 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 12 | 305 | KC1 | C1A-C2A-CAA-CBA |
| 12 | 12 | 305 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 12 | 309 | KC1 | C3A-C2A-CAA-CBA |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 12 | 12 | 311 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 12 | 313 | KC1 | C1A-C2A-CAA-CBA |
| 12 | 12 | 313 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 13 | 305 | KC1 | C1A-C2A-CAA-CBA |
| 12 | 13 | 305 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 13 | 305 | KC1 | CHA-CBD-CGD-O2D |
| 12 | 13 | 306 | KC1 | C1A-C2A-CAA-CBA |
| 12 | 13 | 306 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 13 | 306 | KC1 | CHA-CBD-CGD-O1D |
| 12 | 13 | 306 | KC1 | CHA-CBD-CGD-O2D |
| 12 | 13 | 308 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 13 | 308 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 13 | 308 | KC1 | CHA-CBD-CGD-O1D |
| 12 | 13 | 308 | KC1 | CHA-CBD-CGD-O2D |
| 12 | 13 | 310 | KC1 | C1A-C2A-CAA-CBA |
| 12 | 13 | 310 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 13 | 310 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 13 | 310 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 13 | 311 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 13 | 311 | KC1 | CAA-CBA-CGA-O1A |
| 12 | 13 | 311 | KC1 | CAA-CBA-CGA-O2A |
| 12 | 13 | 312 | KC1 | C1A-C2A-CAA-CBA |
| 12 | 14 | 306 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 14 | 308 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 14 | 308 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 14 | 308 | KC1 | CHA-CBD-CGD-O1D |
| 12 | 14 | 308 | KC1 | CHA-CBD-CGD-O2D |
| 12 | 14 | 311 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 16 | 304 | KC1 | C1A-C2A-CAA-CBA |
| 12 | 16 | 304 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 16 | 304 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 16 | 304 | KC1 | CAA-CBA-CGA-O1A |
| 12 | 16 | 304 | KC1 | CAA-CBA-CGA-O2A |
| 12 | 16 | 311 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 16 | 311 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 16 | 311 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 16 | 311 | KC1 | C2A-CAA-CBA-CGA |
| 13 | 6 | 315 | DD6 | C-C1-C2-C3 |
| 13 | 6 | 315 | DD6 | C-C1-C24-C25 |
| 13 | 6 | 315 | DD6 | C9-C10-C11-C12 |
| 13 | 6 | 315 | DD6 | C11-C10-C9-C8 |
| 13 | 6 | 315 | DD6 | C4-C5-C6-C7 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 13 | 6 | 316 | DD6 | C-C1-C2-C3 |
| 13 | 6 | 316 | DD6 | C-C1-C24-C25 |
| 13 | 6 | 316 | DD6 | C4-C5-C6-C8 |
| 13 | 6 | 316 | DD6 | C7-C6-C8-C9 |
| 13 | 6 | 318 | DD6 | C-C1-C2-C3 |
| 13 | 6 | 318 | DD6 | C2-C1-C24-C25 |
| 13 | 6 | 318 | DD6 | C9-C10-C11-C12 |
| 13 | 6 | 318 | DD6 | C4-C5-C6-C7 |
| 13 | 7 | 301 | DD6 | C-C1-C2-C3 |
| 13 | 7 | 301 | DD6 | C-C1-C24-C25 |
| 13 | 7 | 301 | DD6 | C2-C1-C24-C25 |
| 13 | 7 | 301 | DD6 | C9-C10-C11-C12 |
| 13 | 7 | 301 | DD6 | C10-C11-C13-C14 |
| 13 | 7 | 301 | DD6 | C4-C5-C6-C7 |
| 13 | 7 | 301 | DD6 | C5-C6-C8-C9 |
| 13 | 7 | 313 | DD6 | C-C1-C2-C3 |
| 13 | 7 | 313 | DD6 | C-C1-C24-C25 |
| 13 | 7 | 313 | DD6 | C9-C10-C11-C12 |
| 13 | 7 | 313 | DD6 | C10-C11-C13-C14 |
| 13 | 7 | 313 | DD6 | C12-C11-C13-C14 |
| 13 | 7 | 313 | DD6 | C4-C5-C6-C7 |
| 13 | 7 | 313 | DD6 | C7-C6-C8-C9 |
| 13 | 7 | 316 | DD6 | C-C1-C2-C3 |
| 13 | 7 | 316 | DD6 | C2-C1-C24-C25 |
| 13 | 7 | 316 | DD6 | C9-C10-C11-C12 |
| 13 | 7 | 316 | DD6 | C10-C11-C13-C14 |
| 13 | 7 | 316 | DD6 | C12-C11-C13-C14 |
| 13 | 7 | 316 | DD6 | C13-C14-C15-C16 |
| 13 | 7 | 316 | DD6 | C4-C5-C6-C8 |
| 13 | 7 | 317 | DD6 | C-C1-C2-C3 |
| 13 | 7 | 317 | DD6 | C9-C10-C11-C13 |
| 13 | 7 | 317 | DD6 | C24-C25-C26-C27 |
| 13 | 7 | 317 | DD6 | C3-C4-C5-C6 |
| 13 | 7 | 317 | DD6 | C4-C5-C6-C8 |
| 13 | 8 | 316 | DD6 | C-C1-C2-C3 |
| 13 | 8 | 316 | DD6 | C9-C10-C11-C12 |
| 13 | 8 | 316 | DD6 | C12-C11-C13-C14 |
| 13 | 8 | 316 | DD6 | C4-C5-C6-C7 |
| 13 | 8 | 317 | DD6 | C-C1-C2-C3 |
| 13 | 8 | 317 | DD6 | C-C1-C24-C25 |
| 13 | 8 | 317 | DD6 | C9-C10-C11-C13 |
| 13 | 8 | 317 | DD6 | C10-C11-C13-C14 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 13 | 8 | 317 | DD6 | C12-C11-C13-C14 |
| 13 | 8 | 317 | DD6 | C13-C14-C15-O1 |
| 13 | 8 | 317 | DD6 | C4-C5-C6-C7 |
| 13 | 8 | 317 | DD6 | C5-C6-C8-C9 |
| 13 | 10 | 313 | DD6 | C-C1-C2-C3 |
| 13 | 10 | 313 | DD6 | C-C1-C24-C25 |
| 13 | 10 | 313 | DD6 | C9-C10-C11-C13 |
| 13 | 10 | 313 | DD6 | C13-C14-C15-O1 |
| 13 | 10 | 313 | DD6 | C4-C5-C6-C7 |
| 13 | 10 | 314 | DD6 | C-C1-C2-C3 |
| 13 | 10 | 314 | DD6 | C9-C10-C11-C12 |
| 13 | 10 | 314 | DD6 | C4-C5-C6-C7 |
| 13 | 10 | 314 | DD6 | C7-C6-C8-C9 |
| 13 | 11 | 312 | DD6 | C-C1-C2-C3 |
| 13 | 11 | 312 | DD6 | C-C1-C24-C25 |
| 13 | 11 | 312 | DD6 | C9-C10-C11-C13 |
| 13 | 11 | 312 | DD6 | C4-C5-C6-C7 |
| 13 | 11 | 312 | DD6 | C7-C6-C8-C9 |
| 13 | 12 | 315 | DD6 | C-C1-C2-C3 |
| 13 | 12 | 315 | DD6 | C9-C10-C11-C12 |
| 13 | 12 | 315 | DD6 | C10-C11-C13-C14 |
| 13 | 12 | 315 | DD6 | C12-C11-C13-C14 |
| 13 | 12 | 315 | DD6 | C4-C5-C6-C7 |
| 13 | 12 | 317 | DD6 | C-C1-C2-C3 |
| 13 | 12 | 317 | DD6 | C2-C1-C24-C25 |
| 13 | 12 | 317 | DD6 | C9-C10-C11-C13 |
| 13 | 12 | 317 | DD6 | C10-C11-C13-C14 |
| 13 | 12 | 317 | DD6 | C12-C11-C13-C14 |
| 13 | 12 | 317 | DD6 | C4-C5-C6-C7 |
| 13 | 12 | 317 | DD6 | C5-C6-C8-C9 |
| 13 | 12 | 317 | DD6 | C7-C6-C8-C9 |
| 13 | 13 | 314 | DD6 | C-C1-C2-C3 |
| 13 | 13 | 314 | DD6 | C9-C10-C11-C12 |
| 13 | 13 | 314 | DD6 | C13-C14-C15-O1 |
| 13 | 13 | 314 | DD6 | C4-C5-C6-C7 |
| 13 | 13 | 314 | DD6 | C5-C6-C8-C9 |
| 13 | 13 | 314 | DD6 | C7-C6-C8-C9 |
| 13 | 15 | 318 | DD6 | C24-C1-C2-C3 |
| 13 | 15 | 318 | DD6 | C-C1-C24-C25 |
| 13 | 15 | 318 | DD6 | C9-C10-C11-C13 |
| 13 | 15 | 318 | DD6 | C13-C14-C15-C16 |
| 13 | 15 | 318 | DD6 | C1-C2-C3-C4 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 13 | 15 | 318 | DD6 | C4-C5-C6-C7 |
| 13 | 15 | 318 | DD6 | C7-C6-C8-C9 |
| 13 | 15 | 319 | DD6 | C-C1-C2-C3 |
| 13 | 15 | 319 | DD6 | C2-C1-C24-C25 |
| 13 | 15 | 319 | DD6 | C9-C10-C11-C12 |
| 13 | 15 | 319 | DD6 | C13-C14-C15-C16 |
| 13 | 15 | 319 | DD6 | C1-C2-C3-C4 |
| 13 | 15 | 319 | DD6 | C4-C5-C6-C7 |
| 13 | 15 | 319 | DD6 | C5-C6-C8-C9 |
| 13 | 16 | 313 | DD6 | C-C1-C2-C3 |
| 13 | 16 | 313 | DD6 | C9-C10-C11-C13 |
| 13 | 16 | 313 | DD6 | C13-C14-C15-C20 |
| 13 | 16 | 313 | DD6 | C13-C14-C15-O1 |
| 13 | 16 | 313 | DD6 | C4-C5-C6-C7 |
| 13 | 16 | 313 | DD6 | C5-C6-C8-C9 |
| 13 | 16 | 313 | DD6 | C7-C6-C8-C9 |
| 14 | 6 | 317 | A86 | C5-C6-C8-C9 |
| 14 | 6 | 317 | A86 | C7-C6-C8-C9 |
| 14 | 7 | 314 | A86 | C13-C14-C15-O1 |
| 14 | 7 | 314 | A86 | C1-C2-C3-C4 |
| 14 | 7 | 314 | A86 | C26-C27-C29-C30 |
| 14 | 7 | 314 | A86 | C39-C38-O4-C34 |
| 14 | 7 | 314 | A86 | O5-C38-O4-C34 |
| 14 | 7 | 314 | A86 | C3-C4-C5-C6 |
| 14 | 7 | 314 | A86 | C5-C6-C8-C9 |
| 14 | 7 | 314 | A86 | C7-C6-C8-C9 |
| 14 | 7 | 315 | A86 | C11-C10-C9-C8 |
| 14 | 7 | 315 | A86 | C10-C11-C13-O |
| 14 | 7 | 315 | A86 | C10-C11-C13-C14 |
| 14 | 7 | 315 | A86 | C12-C11-C13-O |
| 14 | 7 | 315 | A86 | C5-C6-C8-C9 |
| 14 | 7 | 315 | A86 | C7-C6-C8-C9 |
| 14 | 7 | 318 | A86 | C13-C14-C15-O1 |
| 14 | 7 | 318 | A86 | C39-C38-O4-C34 |
| 14 | 8 | 315 | A86 | C-C1-C24-C25 |
| 14 | 8 | 315 | A86 | C2-C1-C24-C25 |
| 14 | 8 | 315 | A86 | O5-C38-O4-C34 |
| 14 | 8 | 318 | A86 | C-C1-C24-C25 |
| 14 | 8 | 318 | A86 | C11-C13-C14-C15 |
| 14 | 8 | 318 | A86 | C5-C6-C8-C9 |
| 14 | 10 | 301 | A86 | C39-C38-O4-C34 |
| 14 | 10 | 302 | A86 | C10-C11-C13-O |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 14 | 10 | 302 | A86 | C12-C11-C13-O |
| 14 | 10 | 315 | A86 | O-C13-C14-C15 |
| 14 | 10 | 315 | A86 | C11-C13-C14-C15 |
| 14 | 10 | 315 | A86 | C35-C34-O4-C38 |
| 14 | 10 | 315 | A86 | C3-C4-C5-C6 |
| 14 | 10 | 316 | A86 | C-C1-C24-C25 |
| 14 | 10 | 316 | A86 | C2-C1-C24-C25 |
| 14 | 10 | 316 | A86 | C13-C14-C15-C16 |
| 14 | 10 | 316 | A86 | C24-C25-C26-C27 |
| 14 | 10 | 316 | A86 | C39-C38-O4-C34 |
| 14 | 10 | 316 | A86 | O5-C38-O4-C34 |
| 14 | 10 | 316 | A86 | C5-C6-C8-C9 |
| 14 | 10 | 316 | A86 | C7-C6-C8-C9 |
| 14 | 10 | 317 | A86 | C11-C13-C14-C15 |
| 14 | 11 | 301 | A86 | C39-C38-O4-C34 |
| 14 | 11 | 301 | A86 | O5-C38-O4-C34 |
| 14 | 11 | 313 | A86 | C11-C10-C9-C8 |
| 14 | 11 | 313 | A86 | O-C13-C14-C15 |
| 14 | 11 | 313 | A86 | C11-C13-C14-C15 |
| 14 | 11 | 313 | A86 | C13-C14-C15-C16 |
| 14 | 11 | 313 | A86 | C13-C14-C15-O1 |
| 14 | 11 | 313 | A86 | C39-C38-O4-C34 |
| 14 | 11 | 314 | A86 | C-C1-C24-C25 |
| 14 | 11 | 314 | A86 | C2-C1-C24-C25 |
| 14 | 11 | 314 | A86 | C26-C27-C29-C30 |
| 14 | 11 | 314 | A86 | C28-C27-C29-C30 |
| 14 | 11 | 314 | A86 | C33-C34-O4-C38 |
| 14 | 11 | 314 | A86 | C39-C38-O4-C34 |
| 14 | 11 | 314 | A86 | O5-C38-O4-C34 |
| 14 | 11 | 314 | A86 | C7-C6-C8-C9 |
| 14 | 11 | 315 | A86 | C13-C14-C15-C16 |
| 14 | 11 | 315 | A86 | C1-C2-C3-C4 |
| 14 | 11 | 315 | A86 | C24-C25-C26-C27 |
| 14 | 12 | 314 | A86 | C-C1-C24-C25 |
| 14 | 12 | 314 | A86 | C2-C1-C24-C25 |
| 14 | 12 | 314 | A86 | C13-C14-C15-C16 |
| 14 | 12 | 314 | A86 | C5-C6-C8-C9 |
| 14 | 12 | 314 | A86 | C7-C6-C8-C9 |
| 14 | 12 | 316 | A86 | C12-C11-C13-O |
| 14 | 12 | 316 | A86 | C13-C14-C15-C16 |
| 14 | 12 | 316 | A86 | C24-C25-C26-C27 |
| 14 | 12 | 316 | A86 | C5-C6-C8-C9 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 14 | 13 | 313 | A86 | C-C1-C24-C25 |
| 14 | 13 | 313 | A86 | C2-C1-C24-C25 |
| 14 | 13 | 313 | A86 | C10-C11-C13-O |
| 14 | 13 | 313 | A86 | C12-C11-C13-O |
| 14 | 13 | 315 | A86 | C-C1-C24-C25 |
| 14 | 13 | 315 | A86 | C11-C10-C9-C8 |
| 14 | 13 | 315 | A86 | C12-C11-C13-C14 |
| 14 | 13 | 315 | A86 | C13-C14-C15-C16 |
| 14 | 13 | 315 | A86 | C26-C27-C29-C30 |
| 14 | 13 | 315 | A86 | C28-C27-C29-C30 |
| 14 | 14 | 301 | A86 | C39-C38-O4-C34 |
| 14 | 14 | 314 | A86 | C-C1-C24-C25 |
| 14 | 14 | 314 | A86 | C2-C1-C24-C25 |
| 14 | 14 | 314 | A86 | C10-C11-C13-O |
| 14 | 14 | 314 | A86 | C10-C11-C13-C14 |
| 14 | 14 | 314 | A86 | C12-C11-C13-O |
| 14 | 14 | 315 | A86 | C-C1-C24-C25 |
| 14 | 14 | 315 | A86 | C2-C1-C24-C25 |
| 14 | 14 | 315 | A86 | C11-C10-C9-C8 |
| 14 | 14 | 315 | A86 | O-C13-C14-C15 |
| 14 | 14 | 315 | A86 | C11-C13-C14-C15 |
| 14 | 14 | 315 | A86 | C24-C25-C26-C27 |
| 14 | 14 | 316 | A86 | C-C1-C24-C25 |
| 14 | 14 | 316 | A86 | C13-C14-C15-C16 |
| 14 | 14 | 317 | A86 | C-C1-C24-C25 |
| 14 | 14 | 317 | A86 | C2-C1-C24-C25 |
| 14 | 14 | 317 | A86 | C11-C13-C14-C15 |
| 14 | 14 | 317 | A86 | C13-C14-C15-C16 |
| 14 | 14 | 317 | A86 | C26-C27-C29-C30 |
| 14 | 14 | 317 | A86 | C3-C4-C5-C6 |
| 14 | 14 | 318 | A86 | C-C1-C24-C25 |
| 14 | 14 | 318 | A86 | C2-C1-C24-C25 |
| 14 | 14 | 318 | A86 | O-C13-C14-C15 |
| 14 | 14 | 318 | A86 | C11-C13-C14-C15 |
| 14 | 14 | 318 | A86 | C13-C14-C15-C16 |
| 14 | 14 | 318 | A86 | C24-C25-C26-C27 |
| 14 | 14 | 319 | A86 | C10-C11-C13-O |
| 14 | 14 | 319 | A86 | C10-C11-C13-C14 |
| 14 | 14 | 319 | A86 | C12-C11-C13-O |
| 14 | 14 | 319 | A86 | C1-C2-C3-C4 |
| 14 | 14 | 319 | A86 | C24-C25-C26-C27 |
| 14 | 14 | 320 | A86 | C13-C14-C15-O1 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 14 | 14 | 320 | A86 | O5-C38-O4-C34 |
| 14 | 14 | 320 | A86 | C3-C4-C5-C6 |
| 14 | 14 | 321 | A86 | C-C1-C24-C25 |
| 14 | 14 | 321 | A86 | C2-C1-C24-C25 |
| 14 | 14 | 321 | A86 | C13-C14-C15-O1 |
| 14 | 14 | 321 | A86 | C24-C25-C26-C27 |
| 14 | 14 | 321 | A86 | C39-C38-O4-C34 |
| 14 | 14 | 321 | A86 | O5-C38-O4-C34 |
| 14 | 15 | 316 | A86 | C11-C10-C9-C8 |
| 14 | 15 | 316 | A86 | C10-C11-C13-O |
| 14 | 15 | 316 | A86 | C10-C11-C13-C14 |
| 14 | 15 | 316 | A86 | C12-C11-C13-O |
| 14 | 15 | 316 | A86 | C13-C14-C15-O1 |
| 14 | 15 | 316 | A86 | C24-C25-C26-C27 |
| 14 | 15 | 316 | A86 | C39-C38-O4-C34 |
| 14 | 15 | 317 | A86 | C11-C13-C14-C15 |
| 14 | 15 | 317 | A86 | C13-C14-C15-O1 |
| 14 | 15 | 320 | A86 | C-C1-C24-C25 |
| 14 | 15 | 320 | A86 | C2-C1-C24-C25 |
| 14 | 15 | 320 | A86 | C10-C11-C13-O |
| 14 | 15 | 320 | A86 | C12-C11-C13-O |
| 14 | 15 | 320 | A86 | C13-C14-C15-O1 |
| 14 | 15 | 320 | A86 | C24-C25-C26-C27 |
| 14 | 15 | 320 | A86 | C39-C38-O4-C34 |
| 14 | 15 | 320 | A86 | C5-C6-C8-C9 |
| 14 | 15 | 320 | A86 | C7-C6-C8-C9 |
| 14 | 15 | 321 | A86 | C-C1-C24-C25 |
| 14 | 15 | 321 | A86 | C2-C1-C24-C25 |
| 14 | 15 | 321 | A86 | C13-C14-C15-C16 |
| 14 | 15 | 321 | A86 | C24-C25-C26-C27 |
| 14 | 15 | 322 | A86 | O-C13-C14-C15 |
| 14 | 15 | 322 | A86 | C11-C13-C14-C15 |
| 14 | 15 | 322 | A86 | C13-C14-C15-O1 |
| 14 | 15 | 322 | A86 | C26-C27-C29-C30 |
| 14 | 15 | 322 | A86 | C28-C27-C29-C30 |
| 14 | 15 | 322 | A86 | C3-C4-C5-C6 |
| 14 | 15 | 322 | A86 | C5-C6-C8-C9 |
| 14 | 15 | 322 | A86 | C7-C6-C8-C9 |
| 14 | 16 | 312 | A86 | C13-C14-C15-O1 |
| 14 | 16 | 312 | A86 | C28-C27-C29-C30 |
| 14 | 16 | 314 | A86 | C-C1-C24-C25 |
| 14 | 16 | 314 | A86 | C2-C1-C24-C25 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 14 | 16 | 314 | A86 | C24-C25-C26-C27 |
| 14 | 16 | 314 | A86 | C5-C6-C8-C9 |
| 14 | 16 | 314 | A86 | C7-C6-C8-C9 |
| 16 | 8 | 320 | LMG | O10-C28-O8-C9 |
| 16 | 8 | 321 | LMG | O1-C7-C8-O7 |
| 16 | 8 | 321 | LMG | C11-C10-O7-C8 |
| 17 | 8 | 319 | LMT | C2'-C1'-O1'-C1 |
| 17 | 8 | 319 | LMT | O5'-C1'-O1'-C1 |
| 17 | 8 | 319 | LMT | C2-C1-O1'-C1' |
| 17 | 12 | 301 | LMT | O5'-C1'-O1'-C1 |
| 14 | 7 | 318 | A86 | O5-C38-O4-C34 |
| 14 | 10 | 315 | A86 | C39-C38-O4-C34 |
| 14 | 10 | 317 | A86 | C39-C38-O4-C34 |
| 14 | 11 | 313 | A86 | O5-C38-O4-C34 |
| 14 | 13 | 315 | A86 | C39-C38-O4-C34 |
| 14 | 14 | 301 | A86 | O5-C38-O4-C34 |
| 14 | 14 | 320 | A86 | C39-C38-O4-C34 |
| 14 | 15 | 315 | A86 | C39-C38-O4-C34 |
| 14 | 15 | 317 | A86 | C39-C38-O4-C34 |
| 14 | 15 | 321 | A86 | C39-C38-O4-C34 |
| 14 | 15 | 322 | A86 | C39-C38-O4-C34 |
| 14 | 16 | 314 | A86 | C39-C38-O4-C34 |
| 14 | 8 | 315 | A86 | C39-C38-O4-C34 |
| 14 | 10 | 301 | A86 | O5-C38-O4-C34 |
| 14 | 13 | 315 | A86 | O5-C38-O4-C34 |
| 14 | 14 | 316 | A86 | C39-C38-O4-C34 |
| 14 | 14 | 317 | A86 | C39-C38-O4-C34 |
| 14 | 15 | 320 | A86 | O5-C38-O4-C34 |
| 14 | 15 | 321 | A86 | O5-C38-O4-C34 |
| 14 | 15 | 322 | A86 | O5-C38-O4-C34 |
| 11 | 15 | 304 | CLA | O1D-CGD-O2D-CED |
| 11 | 15 | 314 | CLA | O1D-CGD-O2D-CED |
| 11 | 16 | 310 | CLA | O1D-CGD-O2D-CED |
| 11 | 12 | 308 | CLA | CBD-CGD-O2D-CED |
| 11 | 14 | 310 | CLA | CBD-CGD-O2D-CED |
| 11 | 15 | 304 | CLA | CBD-CGD-O2D-CED |
| 11 | 15 | 314 | CLA | CBD-CGD-O2D-CED |
| 12 | 7 | 307 | KC1 | CBD-CGD-O2D-CED |
| 12 | 8 | 311 | KC1 | CBD-CGD-O2D-CED |
| 11 | 7 | 306 | CLA | O1A-CGA-O2A-C1 |
| 14 | 15 | 315 | A86 | O5-C38-O4-C34 |
| 11 | 7 | 306 | CLA | O1D-CGD-O2D-CED |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 17 | 15 | 301 | LMT | O5B-C1B-O1B-C4' |
| 11 | 8 | 301 | CLA | CBD-CGD-O2D-CED |
| 12 | 10 | 306 | KC1 | CBD-CGD-O2D-CED |
| 12 | 11 | 306 | KC1 | CBD-CGD-O2D-CED |
| 12 | 13 | 305 | KC1 | CBD-CGD-O2D-CED |
| 12 | 13 | 306 | KC1 | CBD-CGD-O2D-CED |
| 14 | 10 | 317 | A86 | O5-C38-O4-C34 |
| 11 | 12 | 306 | CLA | O1A-CGA-O2A-C1 |
| 14 | 10 | 315 | A86 | O5-C38-O4-C34 |
| 14 | 15 | 317 | A86 | O5-C38-O4-C34 |
| 11 | 15 | 309 | CLA | O1D-CGD-O2D-CED |
| 16 | 8 | 323 | LMG | O9-C10-O7-C8 |
| 14 | 12 | 316 | A86 | C39-C38-O4-C34 |
| 11 | 6 | 302 | CLA | C3-C5-C6-C7 |
| 11 | 6 | 304 | CLA | C3-C5-C6-C7 |
| 11 | 6 | 306 | CLA | C3-C5-C6-C7 |
| 11 | 6 | 311 | CLA | C3-C5-C6-C7 |
| 11 | 6 | 313 | CLA | C3-C5-C6-C7 |
| 11 | 7 | 309 | CLA | C3-C5-C6-C7 |
| 11 | 7 | 310 | CLA | C3-C5-C6-C7 |
| 11 | 8 | 305 | CLA | C3-C5-C6-C7 |
| 11 | 10 | 304 | CLA | C3-C5-C6-C7 |
| 11 | 10 | 308 | CLA | C3-C5-C6-C7 |
| 11 | 11 | 308 | CLA | C3-C5-C6-C7 |
| 11 | 14 | 303 | CLA | C3-C5-C6-C7 |
| 11 | 16 | 302 | CLA | C3-C5-C6-C7 |
| 11 | 7 | 306 | CLA | CBA-CGA-O2A-C1 |
| 11 | 11 | 303 | CLA | CBA-CGA-O2A-C1 |
| 11 | 12 | 306 | CLA | CBA-CGA-O2A-C1 |
| 14 | 14 | 318 | A86 | C39-C38-O4-C34 |
| 11 | 7 | 309 | CLA | O1D-CGD-O2D-CED |
| 11 | 15 | 306 | CLA | CBD-CGD-O2D-CED |
| 14 | 10 | 302 | A86 | C39-C38-O4-C34 |
| 14 | 10 | 302 | A86 | O5-C38-O4-C34 |
| 11 | 14 | 310 | CLA | O1A-CGA-O2A-C1 |
| 14 | 15 | 316 | A86 | O5-C38-O4-C34 |
| 14 | 16 | 314 | A86 | O5-C38-O4-C34 |
| 11 | 7 | 305 | CLA | C4-C3-C5-C6 |
| 11 | 13 | 303 | CLA | C4-C3-C5-C6 |
| 11 | 6 | 311 | CLA | C2-C3-C5-C6 |
| 11 | 10 | 309 | CLA | C2-C3-C5-C6 |
| 11 | 13 | 303 | CLA | C2-C3-C5-C6 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 11 | 11 | 308 | CLA | CBD-CGD-O2D-CED |
| 11 | 6 | 314 | CLA | C2A-CAA-CBA-CGA |
| 11 | 16 | 310 | CLA | C2A-CAA-CBA-CGA |
| 11 | 12 | 312 | CLA | O1A-CGA-O2A-C1 |
| 11 | 6 | 307 | CLA | C3-C5-C6-C7 |
| 11 | 7 | 302 | CLA | C3-C5-C6-C7 |
| 11 | 7 | 305 | CLA | C3-C5-C6-C7 |
| 11 | 12 | 312 | CLA | C3-C5-C6-C7 |
| 11 | 14 | 302 | CLA | C3-C5-C6-C7 |
| 11 | 7 | 305 | CLA | CBA-CGA-O2A-C1 |
| 11 | 12 | 312 | CLA | CBA-CGA-O2A-C1 |
| 11 | 14 | 302 | CLA | CBA-CGA-O2A-C1 |
| 16 | 8 | 320 | LMG | C29-C28-O8-C9 |
| 14 | 14 | 317 | A86 | O5-C38-O4-C34 |
| 11 | 10 | 309 | CLA | CBD-CGD-O2D-CED |
| 11 | 12 | 307 | CLA | CBD-CGD-O2D-CED |
| 11 | 12 | 308 | CLA | O1D-CGD-O2D-CED |
| 11 | 7 | 305 | CLA | O1A-CGA-O2A-C1 |
| 11 | 14 | 302 | CLA | O1A-CGA-O2A-C1 |
| 11 | 15 | 307 | CLA | O1A-CGA-O2A-C1 |
| 11 | 16 | 306 | CLA | O1A-CGA-O2A-C1 |
| 14 | 14 | 316 | A86 | O5-C38-O4-C34 |
| 11 | 14 | 310 | CLA | O1D-CGD-O2D-CED |
| 13 | 6 | 318 | DD6 | C11-C10-C9-C8 |
| 13 | 7 | 301 | DD6 | C24-C25-C26-C27 |
| 13 | 12 | 317 | DD6 | C11-C10-C9-C8 |
| 13 | 13 | 314 | DD6 | C11-C10-C9-C8 |
| 13 | 15 | 318 | DD6 | C24-C25-C26-C27 |
| 13 | 15 | 319 | DD6 | C11-C10-C9-C8 |
| 14 | 8 | 315 | A86 | C24-C25-C26-C27 |
| 14 | 8 | 318 | A86 | C24-C25-C26-C27 |
| 14 | 8 | 318 | A86 | C3-C4-C5-C6 |
| 14 | 11 | 315 | A86 | C11-C10-C9-C8 |
| 14 | 14 | 315 | A86 | C3-C4-C5-C6 |
| 14 | 14 | 317 | A86 | C24-C25-C26-C27 |
| 14 | 14 | 321 | A86 | C1-C2-C3-C4 |
| 14 | 15 | 322 | A86 | C11-C10-C9-C8 |
| 14 | 16 | 314 | A86 | C11-C10-C9-C8 |
| 16 | 8 | 321 | LMG | O6-C5-C6-O5 |
| 14 | 11 | 315 | A86 | C39-C38-O4-C34 |
| 11 | 10 | 311 | CLA | CBD-CGD-O2D-CED |
| 11 | 12 | 302 | CLA | CBD-CGD-O2D-CED |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 11 | 12 | 321 | CLA | CBD-CGD-O2D-CED |
| 11 | 15 | 303 | CLA | CBD-CGD-O2D-CED |
| 12 | 11 | 311 | KC1 | CBD-CGD-O2D-CED |
| 12 | 8 | 311 | KC1 | O1D-CGD-O2D-CED |
| 11 | 10 | 303 | CLA | C3-C5-C6-C7 |
| 11 | 13 | 302 | CLA | C3-C5-C6-C7 |
| 11 | 16 | 303 | CLA | C3-C5-C6-C7 |
| 11 | 7 | 302 | CLA | CBA-CGA-O2A-C1 |
| 11 | 14 | 310 | CLA | CBA-CGA-O2A-C1 |
| 14 | 11 | 315 | A86 | O5-C38-O4-C34 |
| 16 | 8 | 321 | LMG | C4-C5-C6-O5 |
| 11 | 8 | 305 | CLA | CBD-CGD-O2D-CED |
| 11 | 10 | 308 | CLA | CBD-CGD-O2D-CED |
| 12 | 10 | 310 | KC1 | CBD-CGD-O2D-CED |
| 11 | 15 | 307 | CLA | CBA-CGA-O2A-C1 |
| 11 | 16 | 306 | CLA | CBA-CGA-O2A-C1 |
| 16 | 8 | 320 | LMG | O6-C5-C6-O5 |
| 12 | 6 | 308 | KC1 | CAA-CBA-CGA-O2A |
| 12 | 8 | 313 | KC1 | CAA-CBA-CGA-O2A |
| 12 | 13 | 305 | KC1 | CAA-CBA-CGA-O1A |
| 12 | 13 | 308 | KC1 | CAA-CBA-CGA-O2A |
| 12 | 13 | 312 | KC1 | CAA-CBA-CGA-O1A |
| 12 | 14 | 306 | KC1 | CAA-CBA-CGA-O2A |
| 11 | 6 | 306 | CLA | C4-C3-C5-C6 |
| 11 | 8 | 304 | CLA | C4-C3-C5-C6 |
| 11 | 11 | 303 | CLA | C4-C3-C5-C6 |
| 11 | 14 | 302 | CLA | C4-C3-C5-C6 |
| 11 | 8 | 304 | CLA | C2-C3-C5-C6 |
| 11 | 11 | 303 | CLA | C2-C3-C5-C6 |
| 11 | 12 | 302 | CLA | C2-C3-C5-C6 |
| 11 | 14 | 302 | CLA | C2-C3-C5-C6 |
| 11 | 7 | 304 | CLA | C2A-CAA-CBA-CGA |
| 11 | 14 | 312 | CLA | C2A-CAA-CBA-CGA |
| 11 | 16 | 307 | CLA | C2A-CAA-CBA-CGA |
| 11 | 7 | 302 | CLA | O1A-CGA-O2A-C1 |
| 11 | 12 | 310 | CLA | CBA-CGA-O2A-C1 |
| 14 | 14 | 314 | A86 | C39-C38-O4-C34 |
| 12 | 6 | 305 | KC1 | CAA-CBA-CGA-O1A |
| 12 | 6 | 308 | KC1 | CAA-CBA-CGA-O1A |
| 12 | 7 | 307 | KC1 | CAA-CBA-CGA-O1A |
| 12 | 10 | 310 | KC1 | CAA-CBA-CGA-O1A |
| 12 | 10 | 312 | KC1 | CAA-CBA-CGA-O1A |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 12 | 11 | 304 | KC1 | CAA-CBA-CGA-O1A |
| 12 | 11 | 304 | KC1 | CAA-CBA-CGA-O2A |
| 12 | 11 | 310 | KC1 | CAA-CBA-CGA-O1A |
| 12 | 12 | 313 | KC1 | CAA-CBA-CGA-O1A |
| 12 | 13 | 308 | KC1 | CAA-CBA-CGA-O1A |
| 12 | 13 | 312 | KC1 | CAA-CBA-CGA-O2A |
| 12 | 14 | 306 | KC1 | CAA-CBA-CGA-O1A |
| 12 | 14 | 308 | KC1 | CAA-CBA-CGA-O1A |
| 12 | 14 | 308 | KC1 | CAA-CBA-CGA-O2A |
| 16 | 8 | 323 | LMG | C11-C10-O7-C8 |
| 12 | 7 | 307 | KC1 | O1D-CGD-O2D-CED |
| 11 | 13 | 307 | CLA | O1A-CGA-O2A-C1 |
| 11 | 6 | 314 | CLA | C3-C5-C6-C7 |
| 11 | 6 | 314 | CLA | CBA-CGA-O2A-C1 |
| 11 | 7 | 303 | CLA | CBA-CGA-O2A-C1 |
| 11 | 7 | 310 | CLA | CBA-CGA-O2A-C1 |
| 11 | 8 | 303 | CLA | CBA-CGA-O2A-C1 |
| 11 | 8 | 308 | CLA | CBA-CGA-O2A-C1 |
| 11 | 10 | 309 | CLA | CBA-CGA-O2A-C1 |
| 11 | 11 | 307 | CLA | CBA-CGA-O2A-C1 |
| 11 | 11 | 309 | CLA | CBA-CGA-O2A-C1 |
| 11 | 12 | 308 | CLA | CBA-CGA-O2A-C1 |
| 11 | 13 | 307 | CLA | CBA-CGA-O2A-C1 |
| 11 | 15 | 302 | CLA | CBA-CGA-O2A-C1 |
| 11 | 15 | 304 | CLA | CBA-CGA-O2A-C1 |
| 11 | 16 | 303 | CLA | CBA-CGA-O2A-C1 |
| 13 | 6 | 316 | DD6 | C11-C10-C9-C8 |
| 14 | 10 | 315 | A86 | C11-C10-C9-C8 |
| 14 | 12 | 314 | A86 | C11-C10-C9-C8 |
| 14 | 14 | 317 | A86 | C11-C10-C9-C8 |
| 14 | 14 | 318 | A86 | C3-C4-C5-C6 |
| 14 | 15 | 316 | A86 | C3-C4-C5-C6 |
| 14 | 15 | 317 | A86 | C24-C25-C26-C27 |
| 11 | 14 | 302 | CLA | C13-C15-C16-C17 |
| 12 | 6 | 305 | KC1 | CAA-CBA-CGA-O2A |
| 12 | 7 | 312 | KC1 | CAA-CBA-CGA-O2A |
| 12 | 8 | 313 | KC1 | CAA-CBA-CGA-O1A |
| 12 | 8 | 314 | KC1 | CAA-CBA-CGA-O2A |
| 12 | 10 | 310 | KC1 | CAA-CBA-CGA-O2A |
| 12 | 10 | 312 | KC1 | CAA-CBA-CGA-O2A |
| 12 | 11 | 311 | KC1 | CAA-CBA-CGA-O2A |
| 12 | 12 | 313 | KC1 | CAA-CBA-CGA-O2A |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 12 | 13 | 305 | KC1 | CAA-CBA-CGA-O2A |
| 12 | 13 | 306 | KC1 | CAA-CBA-CGA-O1A |
| 12 | 13 | 306 | KC1 | CAA-CBA-CGA-O2A |
| 11 | 6 | 306 | CLA | C10-C11-C12-C13 |
| 11 | 7 | 309 | CLA | C8-C10-C11-C12 |
| 11 | 11 | 307 | CLA | C8-C10-C11-C12 |
| 11 | 11 | 309 | CLA | C15-C16-C17-C18 |
| 11 | 13 | 302 | CLA | C5-C6-C7-C8 |
| 11 | 12 | 310 | CLA | C3-C5-C6-C7 |
| 16 | 7 | 319 | LMG | C2-C1-O1-C7 |
| 16 | 8 | 320 | LMG | O7-C8-C9-O8 |
| 11 | 10 | 309 | CLA | O1A-CGA-O2A-C1 |
| 11 | 15 | 302 | CLA | O1A-CGA-O2A-C1 |
| 11 | 6 | 306 | CLA | C2-C3-C5-C6 |
| 11 | 6 | 304 | CLA | C11-C12-C13-C14 |
| 11 | 11 | 308 | CLA | C11-C10-C8-C9 |
| 11 | 16 | 303 | CLA | C11-C12-C13-C14 |
| 12 | 11 | 306 | KC1 | O1D-CGD-O2D-CED |
| 11 | 15 | 311 | CLA | CBD-CGD-O2D-CED |
| 11 | 7 | 303 | CLA | C10-C11-C12-C13 |
| 13 | 6 | 315 | DD6 | C7-C6-C8-C9 |
| 13 | 6 | 318 | DD6 | C7-C6-C8-C9 |
| 13 | 7 | 316 | DD6 | C7-C6-C8-C9 |
| 13 | 7 | 317 | DD6 | C12-C11-C13-C14 |
| 13 | 8 | 316 | DD6 | C-C1-C24-C25 |
| 13 | 8 | 316 | DD6 | C7-C6-C8-C9 |
| 13 | 10 | 313 | DD6 | C12-C11-C13-C14 |
| 13 | 10 | 313 | DD6 | C7-C6-C8-C9 |
| 13 | 10 | 314 | DD6 | C-C1-C24-C25 |
| 13 | 10 | 314 | DD6 | C12-C11-C13-C14 |
| 13 | 11 | 312 | DD6 | C12-C11-C13-C14 |
| 13 | 12 | 315 | DD6 | C-C1-C24-C25 |
| 13 | 12 | 315 | DD6 | C7-C6-C8-C9 |
| 13 | 13 | 314 | DD6 | C-C1-C24-C25 |
| 13 | 13 | 314 | DD6 | C12-C11-C13-C14 |
| 13 | 15 | 318 | DD6 | C12-C11-C13-C14 |
| 13 | 15 | 319 | DD6 | C-C1-C24-C25 |
| 13 | 15 | 319 | DD6 | C12-C11-C13-C14 |
| 13 | 15 | 319 | DD6 | C7-C6-C8-C9 |
| 13 | 16 | 313 | DD6 | C-C1-C24-C25 |
| 13 | 16 | 313 | DD6 | C12-C11-C13-C14 |
| 14 | 6 | 317 | A86 | C-C1-C24-C25 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 14 | 7 | 314 | A86 | C-C1-C24-C25 |
| 14 | 8 | 318 | A86 | C7-C6-C8-C9 |
| 14 | 10 | 302 | A86 | C-C1-C24-C25 |
| 14 | 10 | 315 | A86 | C-C1-C24-C25 |
| 14 | 11 | 315 | A86 | C7-C6-C8-C9 |
| 14 | 12 | 316 | A86 | C7-C6-C8-C9 |
| 14 | 13 | 313 | A86 | C7-C6-C8-C9 |
| 14 | 14 | 314 | A86 | C7-C6-C8-C9 |
| 14 | 14 | 315 | A86 | C7-C6-C8-C9 |
| 14 | 14 | 317 | A86 | C7-C6-C8-C9 |
| 14 | 14 | 318 | A86 | C7-C6-C8-C9 |
| 14 | 14 | 320 | A86 | C7-C6-C8-C9 |
| 14 | 14 | 321 | A86 | C7-C6-C8-C9 |
| 14 | 15 | 315 | A86 | C-C1-C24-C25 |
| 14 | 15 | 321 | A86 | C7-C6-C8-C9 |
| 14 | 16 | 312 | A86 | C7-C6-C8-C9 |
| 13 | 6 | 315 | DD6 | C10-C11-C13-C14 |
| 13 | 6 | 316 | DD6 | C10-C11-C13-C14 |
| 13 | 6 | 316 | DD6 | C5-C6-C8-C9 |
| 13 | 6 | 318 | DD6 | C10-C11-C13-C14 |
| 13 | 7 | 317 | DD6 | C5-C6-C8-C9 |
| 13 | 8 | 316 | DD6 | C10-C11-C13-C14 |
| 13 | 16 | 313 | DD6 | C10-C11-C13-C14 |
| 14 | 6 | 317 | A86 | C2-C1-C24-C25 |
| 14 | 7 | 314 | A86 | C2-C1-C24-C25 |
| 14 | 8 | 318 | A86 | C2-C1-C24-C25 |
| 14 | 10 | 302 | A86 | C2-C1-C24-C25 |
| 14 | 11 | 314 | A86 | C5-C6-C8-C9 |
| 14 | 11 | 315 | A86 | C5-C6-C8-C9 |
| 14 | 13 | 313 | A86 | C5-C6-C8-C9 |
| 14 | 13 | 315 | A86 | C2-C1-C24-C25 |
| 14 | 14 | 314 | A86 | C5-C6-C8-C9 |
| 14 | 14 | 315 | A86 | C5-C6-C8-C9 |
| 14 | 14 | 316 | A86 | C2-C1-C24-C25 |
| 14 | 14 | 317 | A86 | C5-C6-C8-C9 |
| 14 | 14 | 318 | A86 | C5-C6-C8-C9 |
| 14 | 14 | 320 | A86 | C5-C6-C8-C9 |
| 14 | 14 | 321 | A86 | C5-C6-C8-C9 |
| 14 | 15 | 315 | A86 | C2-C1-C24-C25 |
| 14 | 16 | 312 | A86 | C5-C6-C8-C9 |
| 11 | 11 | 307 | CLA | O1A-CGA-O2A-C1 |
| 11 | 6 | 306 | CLA | C15-C16-C17-C18 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 11 | 13 | 302 | CLA | C13-C15-C16-C17 |
| 12 | 13 | 306 | KC1 | O1D-CGD-O2D-CED |
| 12 | 7 | 307 | KC1 | CAA-CBA-CGA-O2A |
| 12 | 7 | 312 | KC1 | CAA-CBA-CGA-O1A |
| 12 | 11 | 311 | KC1 | CAA-CBA-CGA-O1A |
| 11 | 12 | 308 | CLA | C10-C11-C12-C13 |
| 11 | 14 | 302 | CLA | C10-C11-C12-C13 |
| 11 | 15 | 304 | CLA | C8-C10-C11-C12 |
| 11 | 16 | 302 | CLA | C8-C10-C11-C12 |
| 16 | 8 | 320 | LMG | C4-C5-C6-O5 |
| 11 | 11 | 309 | CLA | O1A-CGA-O2A-C1 |
| 11 | 16 | 303 | CLA | O1A-CGA-O2A-C1 |
| 11 | 6 | 303 | CLA | C8-C10-C11-C12 |
| 11 | 7 | 302 | CLA | C10-C11-C12-C13 |
| 11 | 7 | 306 | CLA | C13-C15-C16-C17 |
| 11 | 7 | 306 | CLA | C15-C16-C17-C18 |
| 11 | 7 | 308 | CLA | C13-C15-C16-C17 |
| 11 | 8 | 301 | CLA | C8-C10-C11-C12 |
| 11 | 8 | 301 | CLA | C10-C11-C12-C13 |
| 11 | 10 | 309 | CLA | C10-C11-C12-C13 |
| 11 | 11 | 308 | CLA | C8-C10-C11-C12 |
| 11 | 8 | 301 | CLA | O1D-CGD-O2D-CED |
| 11 | 6 | 314 | CLA | O1A-CGA-O2A-C1 |
| 11 | 8 | 303 | CLA | O1A-CGA-O2A-C1 |
| 11 | 6 | 311 | CLA | CBD-CGD-O2D-CED |
| 11 | 8 | 302 | CLA | C15-C16-C17-C18 |
| 11 | 10 | 305 | CLA | C8-C10-C11-C12 |
| 11 | 12 | 312 | CLA | C10-C11-C12-C13 |
| 11 | 8 | 301 | CLA | C3-C5-C6-C7 |
| 14 | 11 | 314 | A86 | C35-C34-O4-C38 |
| 12 | 10 | 306 | KC1 | O1D-CGD-O2D-CED |
| 12 | 8 | 314 | KC1 | CAA-CBA-CGA-O1A |
| 12 | 11 | 306 | KC1 | CAA-CBA-CGA-O2A |
| 12 | 11 | 310 | KC1 | CAA-CBA-CGA-O2A |
| 11 | 6 | 302 | CLA | C13-C15-C16-C17 |
| 11 | 7 | 302 | CLA | C8-C10-C11-C12 |
| 11 | 7 | 305 | CLA | C5-C6-C7-C8 |
| 11 | 12 | 306 | CLA | C10-C11-C12-C13 |
| 11 | 13 | 307 | CLA | C10-C11-C12-C13 |
| 11 | 15 | 302 | CLA | C5-C6-C7-C8 |
| 11 | 16 | 301 | CLA | C13-C15-C16-C17 |
| 11 | 11 | 303 | CLA | CBD-CGD-O2D-CED |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 11 | 11 | 307 | CLA | CBD-CGD-O2D-CED |
| 11 | 14 | 303 | CLA | C8-C10-C11-C12 |
| 11 | 14 | 302 | CLA | C15-C16-C17-C18 |
| 11 | 15 | 313 | CLA | C5-C6-C7-C8 |
| 11 | 6 | 304 | CLA | C11-C12-C13-C15 |
| 11 | 13 | 303 | CLA | C11-C12-C13-C15 |
| 11 | 15 | 304 | CLA | C11-C12-C13-C15 |
| 11 | 16 | 301 | CLA | C3-C5-C6-C7 |
| 11 | 7 | 303 | CLA | O1A-CGA-O2A-C1 |
| 11 | 7 | 310 | CLA | O1A-CGA-O2A-C1 |
| 13 | 7 | 301 | DD6 | C3-C4-C5-C6 |
| 13 | 11 | 312 | DD6 | C11-C10-C9-C8 |
| 14 | 7 | 314 | A86 | C24-C25-C26-C27 |
| 14 | 7 | 315 | A86 | C24-C25-C26-C27 |
| 14 | 10 | 302 | A86 | C1-C2-C3-C4 |
| 14 | 10 | 315 | A86 | C1-C2-C3-C4 |
| 14 | 10 | 317 | A86 | C3-C4-C5-C6 |
| 14 | 11 | 313 | A86 | C24-C25-C26-C27 |
| 14 | 11 | 313 | A86 | C3-C4-C5-C6 |
| 14 | 11 | 314 | A86 | C11-C10-C9-C8 |
| 14 | 14 | 316 | A86 | C24-C25-C26-C27 |
| 14 | 14 | 319 | A86 | C3-C4-C5-C6 |
| 14 | 15 | 317 | A86 | C11-C10-C9-C8 |
| 11 | 8 | 308 | CLA | C2A-CAA-CBA-CGA |
| 11 | 13 | 301 | CLA | C2A-CAA-CBA-CGA |
| 11 | 13 | 309 | CLA | C2A-CAA-CBA-CGA |
| 11 | 15 | 307 | CLA | C2A-CAA-CBA-CGA |
| 11 | 15 | 314 | CLA | C2A-CAA-CBA-CGA |
| 12 | 13 | 305 | KC1 | O1D-CGD-O2D-CED |
| 11 | 13 | 302 | CLA | C8-C10-C11-C12 |
| 14 | 12 | 316 | A86 | O5-C38-O4-C34 |
| 11 | 12 | 310 | CLA | O1A-CGA-O2A-C1 |
| 11 | 15 | 304 | CLA | O1A-CGA-O2A-C1 |
| 11 | 13 | 301 | CLA | CBD-CGD-O2D-CED |
| 16 | 7 | 319 | LMG | O6-C1-O1-C7 |
| 17 | 15 | 301 | LMT | O5'-C1'-O1'-C1 |
| 14 | 14 | 301 | A86 | C33-C34-O4-C38 |
| 11 | 11 | 303 | CLA | C3-C5-C6-C7 |
| 11 | 14 | 307 | CLA | C3-C5-C6-C7 |
| 11 | 8 | 302 | CLA | C5-C6-C7-C8 |
| 11 | 8 | 308 | CLA | O1A-CGA-O2A-C1 |
| 11 | 12 | 308 | CLA | O1A-CGA-O2A-C1 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 14 | 14 | 318 | A86 | O5-C38-O4-C34 |
| 12 | 11 | 306 | KC1 | CAA-CBA-CGA-O1A |
| 11 | 6 | 304 | CLA | C5-C6-C7-C8 |
| 11 | 7 | 310 | CLA | C15-C16-C17-C18 |
| 11 | 8 | 303 | CLA | C10-C11-C12-C13 |
| 11 | 12 | 304 | CLA | C10-C11-C12-C13 |
| 11 | 12 | 312 | CLA | C8-C10-C11-C12 |
| 11 | 12 | 304 | CLA | C3-C5-C6-C7 |
| 11 | 16 | 303 | CLA | C15-C16-C17-C18 |
| 11 | 7 | 304 | CLA | C4-C3-C5-C6 |
| 11 | 7 | 309 | CLA | C4-C3-C5-C6 |
| 11 | 7 | 305 | CLA | C2-C3-C5-C6 |
| 11 | 7 | 309 | CLA | C2A-CAA-CBA-CGA |
| 11 | 16 | 302 | CLA | C16-C17-C18-C20 |
| 12 | 8 | 307 | KC1 | CAA-CBA-CGA-O2A |
| 12 | 8 | 311 | KC1 | CAA-CBA-CGA-O2A |
| 12 | 8 | 312 | KC1 | CAA-CBA-CGA-O2A |
| 11 | 12 | 302 | CLA | CBA-CGA-O2A-C1 |
| 11 | 16 | 305 | CLA | CBA-CGA-O2A-C1 |
| 16 | 7 | 319 | LMG | C29-C28-O8-C9 |
| 17 | 16 | 315 | LMT | C5'-C4'-O1B-C1B |
| 13 | 7 | 317 | DD6 | C11-C10-C9-C8 |
| 13 | 10 | 314 | DD6 | C24-C25-C26-C27 |
| 13 | 13 | 314 | DD6 | C3-C4-C5-C6 |
| 14 | 10 | 317 | A86 | C1-C2-C3-C4 |
| 14 | 11 | 314 | A86 | C24-C25-C26-C27 |
| 14 | 12 | 316 | A86 | C11-C10-C9-C8 |
| 14 | 13 | 315 | A86 | C3-C4-C5-C6 |
| 14 | 14 | 318 | A86 | C11-C10-C9-C8 |
| 14 | 14 | 321 | A86 | C3-C4-C5-C6 |
| 14 | 15 | 317 | A86 | C3-C4-C5-C6 |
| 14 | 15 | 320 | A86 | C1-C2-C3-C4 |
| 14 | 15 | 320 | A86 | C3-C4-C5-C6 |
| 17 | 15 | 301 | LMT | C3-C4-C5-C6 |
| 13 | 6 | 316 | DD6 | C9-C10-C11-C12 |
| 13 | 7 | 317 | DD6 | C9-C10-C11-C12 |
| 13 | 7 | 317 | DD6 | C4-C5-C6-C7 |
| 13 | 8 | 317 | DD6 | C9-C10-C11-C12 |
| 13 | 12 | 317 | DD6 | C9-C10-C11-C12 |
| 13 | 15 | 318 | DD6 | C-C1-C2-C3 |
| 11 | 12 | 303 | CLA | C3-C5-C6-C7 |
| 12 | 12 | 309 | KC1 | C2A-CAA-CBA-CGA |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 12 | 12 | 313 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 13 | 311 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 13 | 312 | KC1 | C2A-CAA-CBA-CGA |
| 12 | 14 | 311 | KC1 | C2A-CAA-CBA-CGA |
| 16 | 8 | 321 | LMG | C15-C16-C17-C18 |
| 12 | 8 | 307 | KC1 | CAA-CBA-CGA-O1A |
| 11 | 7 | 306 | CLA | C10-C11-C12-C13 |
| 12 | 13 | 308 | KC1 | CBD-CGD-O2D-CED |
| 11 | 15 | 306 | CLA | O1D-CGD-O2D-CED |
| 11 | 12 | 302 | CLA | C3-C5-C6-C7 |
| 11 | 10 | 309 | CLA | O1D-CGD-O2D-CED |
| 13 | 6 | 316 | DD6 | C9-C10-C11-C13 |
| 13 | 7 | 301 | DD6 | C9-C10-C11-C13 |
| 13 | 7 | 316 | DD6 | C9-C10-C11-C13 |
| 13 | 8 | 317 | DD6 | C24-C1-C2-C3 |
| 13 | 12 | 315 | DD6 | C24-C1-C2-C3 |
| 13 | 12 | 317 | DD6 | C24-C1-C2-C3 |
| 13 | 13 | 314 | DD6 | C4-C5-C6-C8 |
| 13 | 15 | 318 | DD6 | C4-C5-C6-C8 |
| 13 | 16 | 313 | DD6 | C4-C5-C6-C8 |
| 16 | 14 | 322 | LMG | C4-C5-C6-O5 |
| 16 | 7 | 319 | LMG | C30-C31-C32-C33 |
| 11 | 13 | 302 | CLA | C10-C11-C12-C13 |
| 11 | 13 | 301 | CLA | C16-C17-C18-C19 |
| 16 | 8 | 321 | LMG | C16-C17-C18-C19 |
| 11 | 7 | 304 | CLA | C2-C3-C5-C6 |
| 11 | 6 | 307 | CLA | C6-C7-C8-C9 |
| 11 | 7 | 306 | CLA | C11-C12-C13-C14 |
| 11 | 7 | 308 | CLA | C6-C7-C8-C9 |
| 11 | 13 | 303 | CLA | C14-C13-C15-C16 |
| 16 | 8 | 320 | LMG | C28-C29-C30-C31 |
| 12 | 8 | 311 | KC1 | CAA-CBA-CGA-O1A |
| 11 | 12 | 302 | CLA | C2A-CAA-CBA-CGA |
| 16 | 8 | 321 | LMG | O10-C28-O8-C9 |
| 13 | 7 | 317 | DD6 | C-C1-C24-C25 |
| 14 | 14 | 301 | A86 | C7-C6-C8-C9 |
| 14 | 15 | 316 | A86 | C7-C6-C8-C9 |
| 15 | 6 | 319 | LHG | O1-C1-C2-C3 |
| 13 | 11 | 312 | DD6 | C5-C6-C8-C9 |
| 13 | 15 | 318 | DD6 | C2-C1-C24-C25 |
| 14 | 10 | 315 | A86 | C2-C1-C24-C25 |
| 14 | 15 | 316 | A86 | C5-C6-C8-C9 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 11 | 8 | 304 | CLA | C3-C5-C6-C7 |
| 11 | 15 | 309 | CLA | C10-C11-C12-C13 |
| 16 | 8 | 320 | LMG | C11-C10-O7-C8 |
| 11 | 15 | 307 | CLA | CBD-CGD-O2D-CED |
| 11 | 10 | 308 | CLA | C16-C17-C18-C19 |
| 11 | 10 | 308 | CLA | C16-C17-C18-C20 |
| 11 | 16 | 302 | CLA | C16-C17-C18-C19 |
| 11 | 11 | 309 | CLA | C10-C11-C12-C13 |
| 11 | 12 | 307 | CLA | O1D-CGD-O2D-CED |
| 12 | 8 | 307 | KC1 | CBD-CGD-O2D-CED |
| 11 | 16 | 303 | CLA | C8-C10-C11-C12 |
| 12 | 6 | 310 | KC1 | CAA-CBA-CGA-O1A |
| 12 | 6 | 310 | KC1 | CAA-CBA-CGA-O2A |
| 12 | 8 | 312 | KC1 | CAA-CBA-CGA-O1A |
| 16 | 14 | 322 | LMG | O10-C28-O8-C9 |
| 11 | 11 | 308 | CLA | O1D-CGD-O2D-CED |
| 11 | 12 | 321 | CLA | O1D-CGD-O2D-CED |
| 11 | 8 | 304 | CLA | C3A-C2A-CAA-CBA |
| 11 | 10 | 305 | CLA | C3A-C2A-CAA-CBA |
| 11 | 10 | 311 | CLA | C3A-C2A-CAA-CBA |
| 11 | 11 | 305 | CLA | C3A-C2A-CAA-CBA |
| 11 | 13 | 303 | CLA | C3A-C2A-CAA-CBA |
| 11 | 13 | 304 | CLA | C3A-C2A-CAA-CBA |
| 11 | 13 | 309 | CLA | C3A-C2A-CAA-CBA |
| 11 | 14 | 303 | CLA | C3A-C2A-CAA-CBA |
| 11 | 14 | 313 | CLA | C3A-C2A-CAA-CBA |
| 11 | 15 | 305 | CLA | C3A-C2A-CAA-CBA |
| 11 | 15 | 308 | CLA | C3A-C2A-CAA-CBA |
| 11 | 15 | 311 | CLA | C3A-C2A-CAA-CBA |
| 11 | 15 | 312 | CLA | C3A-C2A-CAA-CBA |
| 11 | 16 | 306 | CLA | C3A-C2A-CAA-CBA |
| 11 | 16 | 307 | CLA | C3A-C2A-CAA-CBA |
| 11 | 16 | 308 | CLA | C3A-C2A-CAA-CBA |
| 11 | 16 | 309 | CLA | C3A-C2A-CAA-CBA |
| 17 | 8 | 319 | LMT | C11-C10-C9-C8 |
| 11 | 16 | 301 | CLA | C16-C17-C18-C20 |
| 12 | 11 | 311 | KC1 | O1D-CGD-O2D-CED |
| 16 | 8 | 321 | LMG | C11-C12-C13-C14 |
| 11 | 6 | 306 | CLA | CBA-CGA-O2A-C1 |
| 11 | 10 | 308 | CLA | CBA-CGA-O2A-C1 |
| 17 | 8 | 319 | LMT | O1'-C1-C2-C3 |
| 17 | 16 | 315 | LMT | C3'-C4'-O1B-C1B |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 15 | 6 | 319 | LHG | O1-C1-C2-O2 |
| 16 | 7 | 319 | LMG | C11-C12-C13-C14 |
| 16 | 8 | 321 | LMG | C12-C13-C14-C15 |
| 11 | 13 | 301 | CLA | C16-C17-C18-C20 |
| 11 | 16 | 305 | CLA | O1A-CGA-O2A-C1 |
| 12 | 12 | 309 | KC1 | CAA-CBA-CGA-O1A |
| 11 | 13 | 301 | CLA | C3-C5-C6-C7 |
| 11 | 15 | 313 | CLA | CBA-CGA-O2A-C1 |
| 11 | 6 | 304 | CLA | C13-C15-C16-C17 |
| 11 | 7 | 309 | CLA | C15-C16-C17-C18 |
| 11 | 8 | 305 | CLA | C4-C3-C5-C6 |
| 11 | 6 | 301 | CLA | C12-C13-C15-C16 |
| 11 | 6 | 304 | CLA | C11-C10-C8-C7 |
| 11 | 7 | 306 | CLA | C12-C13-C15-C16 |
| 11 | 7 | 308 | CLA | C6-C7-C8-C10 |
| 11 | 12 | 303 | CLA | C6-C7-C8-C10 |
| 11 | 13 | 303 | CLA | C12-C13-C15-C16 |
| 11 | 16 | 302 | CLA | C2-C3-C5-C6 |
| 11 | 16 | 303 | CLA | C11-C12-C13-C15 |
| 11 | 15 | 313 | CLA | O1A-CGA-O2A-C1 |
| 16 | 8 | 320 | LMG | C36-C37-C38-C39 |
| 13 | 6 | 318 | DD6 | C1-C2-C3-C4 |
| 13 | 8 | 317 | DD6 | C3-C4-C5-C6 |
| 14 | 10 | 316 | A86 | C11-C10-C9-C8 |
| 14 | 15 | 322 | A86 | C24-C25-C26-C27 |
| 17 | 16 | 315 | LMT | O5'-C5'-C6'-O6' |
| 11 | 6 | 307 | CLA | CBA-CGA-O2A-C1 |
| 11 | 8 | 304 | CLA | CBA-CGA-O2A-C1 |
| 11 | 10 | 311 | CLA | O1D-CGD-O2D-CED |
| 11 | 6 | 307 | CLA | C10-C11-C12-C13 |
| 11 | 10 | 305 | CLA | C15-C16-C17-C18 |
| 17 | 16 | 315 | LMT | C7-C8-C9-C10 |
| 16 | 8 | 320 | LMG | C10-C11-C12-C13 |
| 16 | 8 | 321 | LMG | C32-C33-C34-C35 |
| 12 | 6 | 305 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 6 | 308 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 6 | 310 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 8 | 312 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 8 | 314 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 10 | 306 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 11 | 304 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 11 | 306 | KC1 | C2B-C3B-CAB-CBB |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 12 | 12 | 305 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 12 | 313 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 13 | 305 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 13 | 306 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 13 | 308 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 13 | 312 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 14 | 311 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 16 | 304 | KC1 | C2B-C3B-CAB-CBB |
| 11 | 10 | 305 | CLA | C3-C5-C6-C7 |
| 11 | 10 | 309 | CLA | C3-C5-C6-C7 |
| 11 | 15 | 309 | CLA | CBA-CGA-O2A-C1 |
| 15 | 6 | 319 | LHG | C8-C7-O7-C5 |
| 16 | 7 | 319 | LMG | C11-C10-O7-C8 |
| 14 | 14 | 314 | A86 | O5-C38-O4-C34 |
| 12 | 6 | 305 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 6 | 308 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 6 | 310 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 8 | 310 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 8 | 311 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 8 | 312 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 8 | 314 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 10 | 306 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 11 | 306 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 11 | 311 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 12 | 305 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 12 | 313 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 13 | 305 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 13 | 306 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 13 | 308 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 13 | 312 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 14 | 311 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 16 | 304 | KC1 | C4B-C3B-CAB-CBB |
| 11 | 6 | 307 | CLA | C13-C15-C16-C17 |
| 11 | 7 | 308 | CLA | C5-C6-C7-C8 |
| 11 | 15 | 302 | CLA | C10-C11-C12-C13 |
| 16 | 8 | 320 | LMG | O9-C10-O7-C8 |
| 14 | 7 | 315 | A86 | C39-C38-O4-C34 |
| 12 | 12 | 309 | KC1 | CAA-CBA-CGA-O2A |
| 11 | 16 | 302 | CLA | C4-C3-C5-C6 |
| 11 | 7 | 309 | CLA | C2-C3-C5-C6 |
| 16 | 8 | 321 | LMG | C30-C31-C32-C33 |
| 11 | 7 | 302 | CLA | C11-C10-C8-C9 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 11 | 12 | 303 | CLA | C6-C7-C8-C9 |
| 11 | 13 | 303 | CLA | C11-C12-C13-C14 |
| 11 | 16 | 303 | CLA | C11-C10-C8-C9 |
| 11 | 7 | 302 | CLA | C2A-CAA-CBA-CGA |
| 11 | 16 | 301 | CLA | C2A-CAA-CBA-CGA |
| 17 | 8 | 319 | LMT | C5-C6-C7-C8 |
| 17 | 7 | 320 | LMT | O5B-C5B-C6B-O6B |
| 14 | 10 | 315 | A86 | C7-C6-C8-C9 |
| 14 | 14 | 319 | A86 | C7-C6-C8-C9 |
| 14 | 10 | 315 | A86 | C5-C6-C8-C9 |
| 14 | 14 | 319 | A86 | C5-C6-C8-C9 |
| 11 | 8 | 304 | CLA | O1A-CGA-O2A-C1 |
| 11 | 6 | 311 | CLA | C1A-C2A-CAA-CBA |
| 11 | 6 | 314 | CLA | C1A-C2A-CAA-CBA |
| 11 | 7 | 304 | CLA | C1A-C2A-CAA-CBA |
| 11 | 7 | 310 | CLA | C1A-C2A-CAA-CBA |
| 11 | 8 | 301 | CLA | C1A-C2A-CAA-CBA |
| 11 | 8 | 303 | CLA | C1A-C2A-CAA-CBA |
| 11 | 10 | 303 | CLA | C1A-C2A-CAA-CBA |
| 11 | 10 | 308 | CLA | C1A-C2A-CAA-CBA |
| 11 | 10 | 309 | CLA | C1A-C2A-CAA-CBA |
| 11 | 10 | 311 | CLA | C1A-C2A-CAA-CBA |
| 11 | 11 | 303 | CLA | C1A-C2A-CAA-CBA |
| 11 | 11 | 308 | CLA | C1A-C2A-CAA-CBA |
| 11 | 11 | 309 | CLA | C1A-C2A-CAA-CBA |
| 11 | 12 | 308 | CLA | C1A-C2A-CAA-CBA |
| 11 | 12 | 310 | CLA | C1A-C2A-CAA-CBA |
| 11 | 13 | 304 | CLA | C1A-C2A-CAA-CBA |
| 11 | 13 | 307 | CLA | C1A-C2A-CAA-CBA |
| 11 | 14 | 305 | CLA | C1A-C2A-CAA-CBA |
| 11 | 14 | 312 | CLA | C1A-C2A-CAA-CBA |
| 11 | 15 | 302 | CLA | C1A-C2A-CAA-CBA |
| 11 | 15 | 303 | CLA | C1A-C2A-CAA-CBA |
| 11 | 15 | 305 | CLA | C1A-C2A-CAA-CBA |
| 11 | 15 | 307 | CLA | C1A-C2A-CAA-CBA |
| 11 | 15 | 309 | CLA | C1A-C2A-CAA-CBA |
| 11 | 15 | 312 | CLA | C1A-C2A-CAA-CBA |
| 11 | 15 | 314 | CLA | C1A-C2A-CAA-CBA |
| 11 | 16 | 301 | CLA | C1A-C2A-CAA-CBA |
| 11 | 16 | 309 | CLA | C1A-C2A-CAA-CBA |
| 11 | 16 | 310 | CLA | C1A-C2A-CAA-CBA |
| 16 | 8 | 321 | LMG | O9-C10-O7-C8 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 14 | 10 | 301 | A86 | C11-C10-C9-C8 |
| 14 | 11 | 315 | A86 | C3-C4-C5-C6 |
| 14 | 14 | 315 | A86 | C1-C2-C3-C4 |
| 11 | 7 | 309 | CLA | C13-C15-C16-C17 |
| 11 | 8 | 302 | CLA | C13-C15-C16-C17 |
| 11 | 11 | 303 | CLA | C13-C15-C16-C17 |
| 15 | 6 | 319 | LHG | C4-O6-P-O3 |
| 11 | 13 | 303 | CLA | C3-C5-C6-C7 |
| 11 | 12 | 302 | CLA | O1D-CGD-O2D-CED |
| 11 | 12 | 302 | CLA | O1A-CGA-O2A-C1 |
| 11 | 15 | 303 | CLA | O1D-CGD-O2D-CED |
| 11 | 16 | 301 | CLA | C16-C17-C18-C19 |
| 16 | 8 | 320 | LMG | C33-C34-C35-C36 |
| 11 | 16 | 306 | CLA | C4-C3-C5-C6 |
| 16 | 8 | 320 | LMG | C7-C8-C9-O8 |
| 16 | 8 | 321 | LMG | O1-C7-C8-C9 |
| 17 | 8 | 322 | LMT | O5B-C5B-C6B-O6B |
| 11 | 10 | 305 | CLA | C13-C15-C16-C17 |
| 11 | 6 | 307 | CLA | O1A-CGA-O2A-C1 |
| 11 | 10 | 308 | CLA | O1A-CGA-O2A-C1 |
| 17 | 8 | 319 | LMT | O5B-C5B-C6B-O6B |
| 11 | 15 | 305 | CLA | CBD-CGD-O2D-CED |
| 17 | 7 | 320 | LMT | C6-C7-C8-C9 |
| 16 | 7 | 319 | LMG | C28-C29-C30-C31 |
| 11 | 12 | 307 | CLA | CBA-CGA-O2A-C1 |
| 11 | 15 | 303 | CLA | C10-C11-C12-C13 |
| 12 | 14 | 308 | KC1 | C2C-C3C-CAC-CBC |
| 11 | 6 | 302 | CLA | C4-C3-C5-C6 |
| 16 | 8 | 321 | LMG | C29-C30-C31-C32 |
| 12 | 10 | 310 | KC1 | O1D-CGD-O2D-CED |
| 11 | 8 | 305 | CLA | CBA-CGA-O2A-C1 |
| 16 | 14 | 322 | LMG | C29-C28-O8-C9 |
| 11 | 16 | 302 | CLA | C10-C11-C12-C13 |
| 11 | 7 | 304 | CLA | C3-C5-C6-C7 |
| 11 | 12 | 304 | CLA | CBA-CGA-O2A-C1 |
| 11 | 8 | 305 | CLA | O1A-CGA-O2A-C1 |
| 11 | 15 | 309 | CLA | O1A-CGA-O2A-C1 |
| 13 | 7 | 301 | DD6 | C24-C1-C2-C3 |
| 16 | 8 | 323 | LMG | O7-C8-C9-O8 |
| 16 | 8 | 321 | LMG | C29-C28-O8-C9 |
| 11 | 6 | 306 | CLA | O1A-CGA-O2A-C1 |
| 11 | 6 | 302 | CLA | C2-C3-C5-C6 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 11 | 6 | 307 | CLA | C6-C7-C8-C10 |
| 11 | 6 | 307 | CLA | C12-C13-C15-C16 |
| 11 | 6 | 311 | CLA | C11-C12-C13-C15 |
| 11 | 7 | 302 | CLA | C11-C10-C8-C7 |
| 11 | 7 | 306 | CLA | C11-C10-C8-C7 |
| 11 | 7 | 309 | CLA | C12-C13-C15-C16 |
| 11 | 8 | 301 | CLA | C11-C12-C13-C15 |
| 11 | 8 | 303 | CLA | C11-C12-C13-C15 |
| 11 | 11 | 307 | CLA | C11-C12-C13-C15 |
| 11 | 11 | 307 | CLA | C12-C13-C15-C16 |
| 11 | 11 | 308 | CLA | C12-C13-C15-C16 |
| 11 | 12 | 302 | CLA | C11-C12-C13-C15 |
| 11 | 13 | 302 | CLA | C11-C12-C13-C15 |
| 11 | 15 | 304 | CLA | C6-C7-C8-C10 |
| 11 | 15 | 304 | CLA | C12-C13-C15-C16 |
| 11 | 16 | 303 | CLA | C6-C7-C8-C10 |
| 11 | 16 | 303 | CLA | C11-C10-C8-C7 |
| 11 | 16 | 306 | CLA | C2-C3-C5-C6 |
| 11 | 12 | 304 | CLA | CAA-CBA-CGA-O2A |
| 11 | 6 | 301 | CLA | C14-C13-C15-C16 |
| 11 | 6 | 311 | CLA | C11-C12-C13-C14 |
| 11 | 7 | 306 | CLA | C11-C10-C8-C9 |
| 11 | 7 | 306 | CLA | C14-C13-C15-C16 |
| 11 | 7 | 309 | CLA | C14-C13-C15-C16 |
| 11 | 7 | 310 | CLA | C6-C7-C8-C9 |
| 11 | 8 | 303 | CLA | C11-C12-C13-C14 |
| 11 | 11 | 307 | CLA | C11-C12-C13-C14 |
| 11 | 11 | 308 | CLA | C14-C13-C15-C16 |
| 11 | 11 | 309 | CLA | C6-C7-C8-C9 |
| 11 | 11 | 309 | CLA | C14-C13-C15-C16 |
| 11 | 12 | 304 | CLA | C11-C10-C8-C9 |
| 11 | 13 | 302 | CLA | C6-C7-C8-C9 |
| 11 | 14 | 303 | CLA | C11-C10-C8-C9 |
| 11 | 15 | 304 | CLA | C6-C7-C8-C9 |
| 11 | 16 | 303 | CLA | C6-C7-C8-C9 |
| 16 | 14 | 322 | LMG | C29-C30-C31-C32 |
| 11 | 11 | 308 | CLA | CBA-CGA-O2A-C1 |
| 11 | 13 | 303 | CLA | CBA-CGA-O2A-C1 |
| 11 | 10 | 307 | CLA | C2A-CAA-CBA-CGA |
| 11 | 8 | 305 | CLA | O1D-CGD-O2D-CED |
| 11 | 10 | 308 | CLA | O1D-CGD-O2D-CED |
| 11 | 15 | 311 | CLA | O1D-CGD-O2D-CED |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 14 | 11 | 315 | A86 | C-C1-C24-C25 |
| 14 | 14 | 319 | A86 | C-C1-C24-C25 |
| 14 | 16 | 312 | A86 | C-C1-C24-C25 |
| 17 | 8 | 324 | LMT | C7-C8-C9-C10 |
| 13 | 11 | 312 | DD6 | C10-C11-C13-C14 |
| 14 | 11 | 313 | A86 | C5-C6-C8-C9 |
| 14 | 11 | 315 | A86 | C2-C1-C24-C25 |
| 14 | 14 | 319 | A86 | C2-C1-C24-C25 |
| 14 | 15 | 317 | A86 | C5-C6-C8-C9 |
| 14 | 16 | 312 | A86 | C2-C1-C24-C25 |
| 11 | 13 | 301 | CLA | O1D-CGD-O2D-CED |
| 11 | 6 | 301 | CLA | CBA-CGA-O2A-C1 |
| 11 | 8 | 301 | CLA | CBA-CGA-O2A-C1 |
| 12 | 8 | 310 | KC1 | CAA-CBA-CGA-O2A |
| 11 | 16 | 306 | CLA | CBD-CGD-O2D-CED |
| 11 | 7 | 304 | CLA | C16-C17-C18-C19 |
| 11 | 15 | 304 | CLA | C10-C11-C12-C13 |
| 11 | 13 | 302 | CLA | C4-C3-C5-C6 |
| 12 | 8 | 310 | KC1 | CAA-CBA-CGA-O1A |
| 17 | 8 | 324 | LMT | C4-C5-C6-C7 |
| 11 | 15 | 302 | CLA | C16-C17-C18-C19 |
| 15 | 6 | 319 | LHG | C11-C10-C9-C8 |
| 11 | 6 | 304 | CLA | CBA-CGA-O2A-C1 |
| 11 | 13 | 301 | CLA | CBA-CGA-O2A-C1 |
| 16 | 14 | 322 | LMG | O6-C5-C6-O5 |
| 11 | 6 | 303 | CLA | C3A-C2A-CAA-CBA |
| 11 | 11 | 303 | CLA | C3A-C2A-CAA-CBA |
| 11 | 11 | 307 | CLA | C13-C15-C16-C17 |
| 13 | 6 | 315 | DD6 | C3-C4-C5-C6 |
| 13 | 16 | 313 | DD6 | C24-C25-C26-C27 |
| 14 | 8 | 315 | A86 | O-C13-C14-C15 |
| 14 | 12 | 316 | A86 | O-C13-C14-C15 |
| 14 | 14 | 316 | A86 | O-C13-C14-C15 |
| 14 | 15 | 320 | A86 | O-C13-C14-C15 |
| 14 | 16 | 314 | A86 | O-C13-C14-C15 |
| 15 | 6 | 319 | LHG | C10-C11-C12-C13 |
| 16 | 8 | 323 | LMG | C7-C8-C9-O8 |
| 16 | 14 | 322 | LMG | C7-C8-C9-O8 |
| 11 | 6 | 311 | CLA | O1D-CGD-O2D-CED |
| 11 | 8 | 302 | CLA | C3-C5-C6-C7 |
| 11 | 8 | 303 | CLA | C4-C3-C5-C6 |
| 11 | 12 | 321 | CLA | C3-C5-C6-C7 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 11 | 16 | 301 | CLA | C5-C6-C7-C8 |
| 15 | 6 | 319 | LHG | O6-C4-C5-O7 |
| 17 | 15 | 301 | LMT | C7-C8-C9-C10 |
| 12 | 10 | 306 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 11 | 311 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 12 | 305 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 13 | 306 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 13 | 310 | KC1 | C3A-C2A-CAA-CBA |
| 11 | 12 | 304 | CLA | O1A-CGA-O2A-C1 |
| 11 | 15 | 313 | CLA | C10-C11-C12-C13 |
| 16 | 14 | 322 | LMG | C16-C17-C18-C19 |
| 14 | 16 | 314 | A86 | C33-C34-O4-C38 |
| 16 | 8 | 321 | LMG | O6-C1-O1-C7 |
| 12 | 13 | 308 | KC1 | O1D-CGD-O2D-CED |
| 14 | 8 | 318 | A86 | C10-C11-C13-C14 |
| 14 | 10 | 302 | A86 | C10-C11-C13-C14 |
| 14 | 11 | 314 | A86 | C10-C11-C13-C14 |
| 14 | 11 | 315 | A86 | C10-C11-C13-C14 |
| 14 | 13 | 313 | A86 | C10-C11-C13-C14 |
| 14 | 14 | 318 | A86 | C10-C11-C13-C14 |
| 14 | 15 | 320 | A86 | C10-C11-C13-C14 |
| 14 | 16 | 312 | A86 | C10-C11-C13-C14 |
| 11 | 7 | 304 | CLA | C2-C1-O2A-CGA |
| 11 | 7 | 310 | CLA | C2-C1-O2A-CGA |
| 11 | 12 | 304 | CLA | C2-C1-O2A-CGA |
| 11 | 13 | 307 | CLA | C2-C1-O2A-CGA |
| 11 | 16 | 301 | CLA | C2-C1-O2A-CGA |
| 11 | 6 | 301 | CLA | C11-C12-C13-C14 |
| 11 | 8 | 301 | CLA | C11-C12-C13-C14 |
| 11 | 10 | 309 | CLA | C11-C10-C8-C9 |
| 11 | 12 | 310 | CLA | C11-C12-C13-C14 |
| 11 | 14 | 307 | CLA | C11-C10-C8-C9 |
| 11 | 15 | 302 | CLA | C14-C13-C15-C16 |
| 11 | 15 | 304 | CLA | C14-C13-C15-C16 |
| 11 | 11 | 305 | CLA | CBA-CGA-O2A-C1 |
| 11 | 13 | 303 | CLA | O1A-CGA-O2A-C1 |
| 14 | 15 | 317 | A86 | C7-C6-C8-C9 |
| 13 | 11 | 312 | DD6 | C2-C1-C24-C25 |
| 14 | 15 | 321 | A86 | C5-C6-C8-C9 |
| 11 | 10 | 304 | CLA | C8-C10-C11-C12 |
| 11 | 11 | 308 | CLA | C10-C11-C12-C13 |
| 17 | 15 | 301 | LMT | C4'-C5'-C6'-O6' |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 15 | 6 | 319 | LHG | O6-C4-C5-C6 |
| 11 | 6 | 301 | CLA | C11-C12-C13-C15 |
| 11 | 7 | 310 | CLA | C6-C7-C8-C10 |
| 11 | 11 | 309 | CLA | C6-C7-C8-C10 |
| 11 | 11 | 309 | CLA | C12-C13-C15-C16 |
| 11 | 12 | 304 | CLA | C11-C10-C8-C7 |
| 11 | 13 | 302 | CLA | C2-C3-C5-C6 |
| 11 | 13 | 302 | CLA | C6-C7-C8-C10 |
| 11 | 14 | 303 | CLA | C11-C10-C8-C7 |
| 11 | 14 | 307 | CLA | C11-C10-C8-C7 |
| 11 | 15 | 302 | CLA | C12-C13-C15-C16 |
| 17 | 12 | 301 | LMT | C1-C2-C3-C4 |
| 17 | 8 | 319 | LMT | C6-C7-C8-C9 |
| 13 | 8 | 316 | DD6 | C3-C4-C5-C6 |
| 14 | 10 | 302 | A86 | C3-C4-C5-C6 |
| 14 | 12 | 314 | A86 | C24-C25-C26-C27 |
| 14 | 13 | 313 | A86 | C24-C25-C26-C27 |
| 14 | 13 | 313 | A86 | C3-C4-C5-C6 |
| 14 | 15 | 321 | A86 | C11-C10-C9-C8 |
| 11 | 7 | 304 | CLA | C16-C17-C18-C20 |
| 17 | 7 | 320 | LMT | C1-C2-C3-C4 |
| 12 | 14 | 308 | KC1 | C4C-C3C-CAC-CBC |
| 11 | 6 | 306 | CLA | CAD-CBD-CGD-O2D |
| 11 | 7 | 308 | CLA | CAD-CBD-CGD-O2D |
| 11 | 8 | 304 | CLA | CAD-CBD-CGD-O2D |
| 11 | 11 | 308 | CLA | CAD-CBD-CGD-O2D |
| 11 | 12 | 306 | CLA | CAD-CBD-CGD-O2D |
| 11 | 12 | 307 | CLA | CAD-CBD-CGD-O2D |
| 11 | 13 | 304 | CLA | CAD-CBD-CGD-O2D |
| 11 | 14 | 302 | CLA | CAD-CBD-CGD-O2D |
| 11 | 14 | 310 | CLA | CAD-CBD-CGD-O2D |
| 11 | 15 | 311 | CLA | CAD-CBD-CGD-O2D |
| 11 | 16 | 302 | CLA | CAD-CBD-CGD-O2D |
| 11 | 16 | 308 | CLA | CAD-CBD-CGD-O2D |
| 12 | 6 | 310 | KC1 | CAD-CBD-CGD-O2D |
| 12 | 7 | 307 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 10 | 310 | KC1 | CAD-CBD-CGD-O2D |
| 12 | 11 | 304 | KC1 | CAD-CBD-CGD-O2D |
| 12 | 12 | 309 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 13 | 311 | KC1 | CAD-CBD-CGD-O2D |
| 12 | 14 | 308 | KC1 | C2B-C3B-CAB-CBB |
| 12 | 14 | 311 | KC1 | CAD-CBD-CGD-O2D |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 12 | 16 | 304 | KC1 | CAD-CBD-CGD-O2D |
| 14 | 6 | 317 | A86 | C28-C27-C29-C30 |
| 14 | 7 | 314 | A86 | C28-C27-C29-C30 |
| 14 | 15 | 317 | A86 | C28-C27-C29-C30 |
| 14 | 7 | 315 | A86 | O5-C38-O4-C34 |
| 16 | 7 | 319 | LMG | O10-C28-O8-C9 |
| 11 | 15 | 309 | CLA | C4-C3-C5-C6 |
| 11 | 6 | 301 | CLA | C10-C11-C12-C13 |
| 16 | 8 | 320 | LMG | C37-C38-C39-C40 |
| 14 | 10 | 301 | A86 | C12-C11-C13-O |
| 14 | 11 | 301 | A86 | C12-C11-C13-O |
| 14 | 11 | 314 | A86 | C12-C11-C13-O |
| 14 | 13 | 315 | A86 | C12-C11-C13-O |
| 14 | 14 | 316 | A86 | C12-C11-C13-O |
| 14 | 15 | 317 | A86 | C12-C11-C13-O |
| 14 | 16 | 312 | A86 | C12-C11-C13-O |
| 12 | 6 | 309 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 10 | 310 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 14 | 306 | KC1 | C4B-C3B-CAB-CBB |
| 11 | 10 | 308 | CLA | C2A-CAA-CBA-CGA |
| 11 | 15 | 302 | CLA | C16-C17-C18-C20 |
| 11 | 6 | 312 | CLA | CHA-CBD-CGD-O1D |
| 11 | 6 | 312 | CLA | CHA-CBD-CGD-O2D |
| 11 | 7 | 311 | CLA | CHA-CBD-CGD-O1D |
| 11 | 7 | 311 | CLA | CHA-CBD-CGD-O2D |
| 11 | 8 | 308 | CLA | CHA-CBD-CGD-O1D |
| 11 | 8 | 308 | CLA | CHA-CBD-CGD-O2D |
| 11 | 13 | 307 | CLA | CHA-CBD-CGD-O1D |
| 11 | 13 | 307 | CLA | CHA-CBD-CGD-O2D |
| 11 | 14 | 304 | CLA | CHA-CBD-CGD-O1D |
| 11 | 14 | 304 | CLA | CHA-CBD-CGD-O2D |
| 11 | 15 | 305 | CLA | CHA-CBD-CGD-O1D |
| 11 | 15 | 310 | CLA | CHA-CBD-CGD-O1D |
| 11 | 15 | 313 | CLA | CHA-CBD-CGD-O1D |
| 11 | 15 | 313 | CLA | CHA-CBD-CGD-O2D |
| 11 | 16 | 306 | CLA | CHA-CBD-CGD-O1D |
| 11 | 16 | 306 | CLA | CHA-CBD-CGD-O2D |
| 11 | 16 | 308 | CLA | CHA-CBD-CGD-O1D |
| 12 | 6 | 308 | KC1 | CHA-CBD-CGD-O1D |
| 12 | 6 | 308 | KC1 | CHA-CBD-CGD-O2D |
| 12 | 6 | 309 | KC1 | CHA-CBD-CGD-O1D |
| 12 | 6 | 309 | KC1 | CHA-CBD-CGD-O2D |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 12 | 8 | 310 | KC1 | CHA-CBD-CGD-O1D |
| 12 | 10 | 306 | KC1 | CHA-CBD-CGD-O1D |
| 12 | 11 | 306 | KC1 | CHA-CBD-CGD-O1D |
| 12 | 11 | 310 | KC1 | CHA-CBD-CGD-O1D |
| 12 | 11 | 310 | KC1 | CHA-CBD-CGD-O2D |
| 12 | 12 | 311 | KC1 | CHA-CBD-CGD-O1D |
| 12 | 12 | 311 | KC1 | CHA-CBD-CGD-O2D |
| 12 | 13 | 305 | KC1 | CHA-CBD-CGD-O1D |
| 11 | 11 | 305 | CLA | O1A-CGA-O2A-C1 |
| 11 | 13 | 301 | CLA | O1A-CGA-O2A-C1 |
| 13 | 10 | 314 | DD6 | C24-C1-C2-C3 |
| 11 | 7 | 306 | CLA | C8-C10-C11-C12 |
| 11 | 6 | 304 | CLA | O1A-CGA-O2A-C1 |
| 11 | 10 | 305 | CLA | O1A-CGA-O2A-C1 |
| 14 | 7 | 314 | A86 | C10-C11-C13-O |
| 14 | 8 | 315 | A86 | C13-C14-C15-O1 |
| 14 | 10 | 301 | A86 | C13-C14-C15-O1 |
| 14 | 10 | 302 | A86 | C13-C14-C15-O1 |
| 14 | 10 | 316 | A86 | C13-C14-C15-O1 |
| 14 | 11 | 301 | A86 | C10-C11-C13-O |
| 14 | 11 | 301 | A86 | C13-C14-C15-O1 |
| 14 | 11 | 314 | A86 | C10-C11-C13-O |
| 14 | 11 | 315 | A86 | C13-C14-C15-O1 |
| 14 | 12 | 314 | A86 | C13-C14-C15-O1 |
| 14 | 12 | 316 | A86 | C13-C14-C15-O1 |
| 14 | 13 | 315 | A86 | C10-C11-C13-O |
| 14 | 13 | 315 | A86 | C13-C14-C15-O1 |
| 14 | 14 | 316 | A86 | C13-C14-C15-O1 |
| 14 | 14 | 317 | A86 | C13-C14-C15-O1 |
| 14 | 14 | 318 | A86 | C10-C11-C13-O |
| 14 | 14 | 318 | A86 | C13-C14-C15-O1 |
| 14 | 15 | 321 | A86 | C13-C14-C15-O1 |
| 14 | 16 | 312 | A86 | C10-C11-C13-O |
| 16 | 8 | 320 | LMG | C35-C36-C37-C38 |
| 16 | 8 | 323 | LMG | C28-C29-C30-C31 |
| 11 | 6 | 301 | CLA | O1A-CGA-O2A-C1 |
| 11 | 8 | 301 | CLA | O1A-CGA-O2A-C1 |
| 12 | 8 | 307 | KC1 | O1D-CGD-O2D-CED |
| 11 | 11 | 308 | CLA | O1A-CGA-O2A-C1 |
| 13 | 6 | 315 | DD6 | C12-C11-C13-C14 |
| 13 | 6 | 316 | DD6 | C12-C11-C13-C14 |
| 13 | 6 | 318 | DD6 | C-C1-C24-C25 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 13 | 7 | 317 | DD6 | C7-C6-C8-C9 |
| 14 | 10 | 317 | A86 | C-C1-C24-C25 |
| 14 | 11 | 313 | A86 | C7-C6-C8-C9 |
| 14 | 15 | 316 | A86 | C-C1-C24-C25 |
| 11 | 7 | 310 | CLA | C13-C15-C16-C17 |
| 13 | 7 | 317 | DD6 | C10-C11-C13-C14 |
| 13 | 15 | 318 | DD6 | C10-C11-C13-C14 |
| 13 | 15 | 319 | DD6 | C10-C11-C13-C14 |
| 14 | 15 | 316 | A86 | C2-C1-C24-C25 |
| 16 | 7 | 319 | LMG | C13-C14-C15-C16 |
| 11 | 15 | 305 | CLA | O1D-CGD-O2D-CED |
| 11 | 6 | 312 | CLA | C1A-C2A-CAA-CBA |
| 11 | 7 | 302 | CLA | C15-C16-C17-C18 |
| 11 | 15 | 313 | CLA | C13-C15-C16-C17 |
| 11 | 6 | 303 | CLA | C2-C1-O2A-CGA |
| 11 | 15 | 304 | CLA | C2-C1-O2A-CGA |
| 11 | 6 | 311 | CLA | CBA-CGA-O2A-C1 |
| 11 | 15 | 307 | CLA | O1D-CGD-O2D-CED |
| 11 | 6 | 306 | CLA | CBD-CGD-O2D-CED |
| 17 | 12 | 320 | LMT | C5-C6-C7-C8 |
| 11 | 6 | 303 | CLA | C3-C5-C6-C7 |
| 11 | 15 | 302 | CLA | C3-C5-C6-C7 |
| 11 | 11 | 303 | CLA | O1D-CGD-O2D-CED |
| 15 | 6 | 319 | LHG | C4-O6-P-O4 |
| 17 | 8 | 319 | LMT | C2-C3-C4-C5 |
| 11 | 10 | 303 | CLA | CBA-CGA-O2A-C1 |
| 11 | 11 | 307 | CLA | O1D-CGD-O2D-CED |
| 11 | 12 | 312 | CLA | C2A-CAA-CBA-CGA |
| 11 | 15 | 304 | CLA | C3-C5-C6-C7 |
| 16 | 14 | 322 | LMG | C17-C18-C19-C20 |
| 16 | 14 | 322 | LMG | C11-C10-O7-C8 |
| 11 | 15 | 309 | CLA | C16-C17-C18-C20 |
| 11 | 6 | 312 | CLA | CAD-CBD-CGD-O1D |
| 11 | 7 | 311 | CLA | CAD-CBD-CGD-O1D |
| 11 | 8 | 308 | CLA | CAD-CBD-CGD-O1D |
| 11 | 13 | 303 | CLA | CAD-CBD-CGD-O1D |
| 11 | 14 | 312 | CLA | CAD-CBD-CGD-O1D |
| 12 | 6 | 309 | KC1 | CAD-CBD-CGD-O1D |
| 12 | 12 | 311 | KC1 | CAD-CBD-CGD-O1D |
| 14 | 6 | 317 | A86 | C26-C27-C29-C30 |
| 14 | 15 | 317 | A86 | C26-C27-C29-C30 |
| 14 | 16 | 312 | A86 | C26-C27-C29-C30 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 11 | 10 | 307 | CLA | C15-C16-C17-C18 |
| 11 | 12 | 302 | CLA | C15-C16-C17-C18 |
| 11 | 13 | 301 | CLA | C13-C15-C16-C17 |
| 17 | 8 | 324 | LMT | O1'-C1-C2-C3 |
| 11 | 12 | 308 | CLA | C4-C3-C5-C6 |
| 11 | 8 | 305 | CLA | C12-C13-C15-C16 |
| 11 | 11 | 308 | CLA | C11-C10-C8-C7 |
| 11 | 12 | 312 | CLA | C11-C10-C8-C7 |
| 11 | 14 | 302 | CLA | C3A-C2A-CAA-CBA |
| 13 | 8 | 316 | DD6 | C11-C10-C9-C8 |
| 13 | 12 | 315 | DD6 | C24-C25-C26-C27 |
| 16 | 14 | 322 | LMG | C30-C31-C32-C33 |
| 11 | 11 | 309 | CLA | CBD-CGD-O2D-CED |
| 11 | 11 | 308 | CLA | C2A-CAA-CBA-CGA |
| 16 | 8 | 320 | LMG | O1-C7-C8-C9 |
| 16 | 14 | 322 | LMG | C12-C13-C14-C15 |
| 16 | 8 | 320 | LMG | O1-C7-C8-O7 |
| 16 | 14 | 322 | LMG | O7-C8-C9-O8 |
| 11 | 6 | 311 | CLA | O1A-CGA-O2A-C1 |
| 11 | 12 | 303 | CLA | C15-C16-C17-C18 |
| 11 | 13 | 303 | CLA | C13-C15-C16-C17 |
| 11 | 12 | 306 | CLA | C4-C3-C5-C6 |
| 14 | 7 | 314 | A86 | C13-C14-C15-C20 |
| 14 | 7 | 318 | A86 | C13-C14-C15-C20 |
| 14 | 8 | 318 | A86 | C13-C14-C15-C20 |
| 14 | 14 | 314 | A86 | C13-C14-C15-C20 |
| 14 | 14 | 320 | A86 | C13-C14-C15-C20 |
| 14 | 14 | 321 | A86 | C13-C14-C15-C20 |
| 14 | 15 | 315 | A86 | C13-C14-C15-C20 |
| 14 | 15 | 316 | A86 | C13-C14-C15-C20 |
| 14 | 15 | 317 | A86 | C13-C14-C15-C20 |
| 11 | 6 | 304 | CLA | C11-C10-C8-C9 |
| 11 | 7 | 302 | CLA | C11-C12-C13-C14 |
| 11 | 15 | 304 | CLA | C11-C12-C13-C14 |
| 13 | 10 | 313 | DD6 | C6-C8-C9-C10 |
| 14 | 10 | 301 | A86 | C1-C24-C25-C26 |
| 14 | 10 | 302 | A86 | C1-C24-C25-C26 |
| 14 | 10 | 302 | A86 | C6-C8-C9-C10 |
| 14 | 11 | 301 | A86 | C6-C8-C9-C10 |
| 14 | 13 | 313 | A86 | C6-C8-C9-C10 |
| 14 | 14 | 321 | A86 | C6-C8-C9-C10 |
| 14 | 15 | 315 | A86 | C1-C24-C25-C26 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 14 | 15 | 315 | A86 | C6-C8-C9-C10 |
| 14 | 15 | 320 | A86 | C6-C8-C9-C10 |
| 14 | 16 | 312 | A86 | C6-C8-C9-C10 |
| 12 | 12 | 311 | KC1 | CAA-CBA-CGA-O1A |
| 16 | 8 | 321 | LMG | C17-C18-C19-C20 |
| 11 | 7 | 306 | CLA | C16-C17-C18-C19 |
| 16 | 8 | 320 | LMG | C32-C33-C34-C35 |
| 11 | 10 | 303 | CLA | C15-C16-C17-C18 |
| 11 | 12 | 302 | CLA | CAA-CBA-CGA-O2A |
| 11 | 8 | 301 | CLA | C2A-CAA-CBA-CGA |
| 11 | 15 | 302 | CLA | C2A-CAA-CBA-CGA |
| 11 | 6 | 311 | CLA | C2-C1-O2A-CGA |
| 11 | 7 | 302 | CLA | C2-C1-O2A-CGA |
| 11 | 11 | 308 | CLA | C2-C1-O2A-CGA |
| 11 | 12 | 310 | CLA | C2-C1-O2A-CGA |
| 11 | 12 | 307 | CLA | O1A-CGA-O2A-C1 |
| 11 | 15 | 313 | CLA | C3-C5-C6-C7 |
| 17 | 8 | 319 | LMT | C7-C8-C9-C10 |
| 17 | 12 | 301 | LMT | O1'-C1-C2-C3 |
| 11 | 7 | 302 | CLA | C13-C15-C16-C17 |
| 14 | 10 | 301 | A86 | C12-C11-C13-C14 |
| 14 | 10 | 302 | A86 | C12-C11-C13-C14 |
| 14 | 11 | 301 | A86 | C12-C11-C13-C14 |
| 14 | 11 | 314 | A86 | C12-C11-C13-C14 |
| 14 | 12 | 314 | A86 | C12-C11-C13-C14 |
| 14 | 14 | 316 | A86 | C12-C11-C13-C14 |
| 14 | 14 | 318 | A86 | C12-C11-C13-C14 |
| 14 | 16 | 312 | A86 | C12-C11-C13-C14 |
| 16 | 14 | 322 | LMG | C14-C15-C16-C17 |
| 11 | 10 | 305 | CLA | CBA-CGA-O2A-C1 |
| 17 | 12 | 318 | LMT | C2-C3-C4-C5 |
| 17 | 16 | 315 | LMT | C6-C7-C8-C9 |
| 11 | 6 | 304 | CLA | CAA-CBA-CGA-O2A |
| 11 | 6 | 301 | CLA | C13-C15-C16-C17 |
| 11 | 7 | 310 | CLA | C4-C3-C5-C6 |
| 11 | 16 | 306 | CLA | O1D-CGD-O2D-CED |
| 15 | 6 | 319 | LHG | C3-O3-P-O6 |
| 17 | 8 | 324 | LMT | C4'-C5'-C6'-O6' |
| 11 | 7 | 308 | CLA | C12-C13-C15-C16 |
| 11 | 12 | 310 | CLA | C11-C12-C13-C15 |
| 11 | 13 | 301 | CLA | C6-C7-C8-C10 |
| 11 | 16 | 303 | CLA | C12-C13-C15-C16 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 11 | 6 | 303 | CLA | CAA-CBA-CGA-O2A |
| 11 | 6 | 307 | CLA | C14-C13-C15-C16 |
| 11 | 8 | 305 | CLA | C14-C13-C15-C16 |
| 11 | 12 | 302 | CLA | C11-C12-C13-C14 |
| 11 | 13 | 302 | CLA | C11-C12-C13-C14 |
| 13 | 6 | 316 | DD6 | C24-C25-C26-C27 |
| 13 | 7 | 317 | DD6 | C1-C2-C3-C4 |
| 13 | 8 | 316 | DD6 | C24-C25-C26-C27 |
| 14 | 10 | 317 | A86 | C24-C25-C26-C27 |
| 11 | 7 | 306 | CLA | C16-C17-C18-C20 |
| 16 | 7 | 319 | LMG | C32-C33-C34-C35 |
| 11 | 15 | 304 | CLA | C13-C15-C16-C17 |
| 14 | 14 | 301 | A86 | C5-C6-C8-C9 |
| 11 | 15 | 312 | CLA | CBD-CGD-O2D-CED |
| 12 | 12 | 311 | KC1 | CAA-CBA-CGA-O2A |
| 11 | 12 | 303 | CLA | CBD-CGD-O2D-CED |
| 16 | 8 | 321 | LMG | C18-C19-C20-C21 |
| 11 | 15 | 309 | CLA | C16-C17-C18-C19 |
| 13 | 7 | 313 | DD6 | C11-C10-C9-C8 |
| 13 | 7 | 316 | DD6 | C1-C2-C3-C4 |
| 14 | 7 | 314 | A86 | C11-C10-C9-C8 |
| 14 | 15 | 315 | A86 | C11-C10-C9-C8 |
| 11 | 10 | 303 | CLA | O1A-CGA-O2A-C1 |
| 12 | 11 | 304 | KC1 | C4B-C3B-CAB-CBB |
| 12 | 14 | 306 | KC1 | C2C-C3C-CAC-CBC |
| 11 | 6 | 304 | CLA | C15-C16-C17-C18 |
| 11 | 7 | 309 | CLA | C10-C11-C12-C13 |
| 11 | 12 | 302 | CLA | C5-C6-C7-C8 |
| 16 | 8 | 321 | LMG | C31-C32-C33-C34 |
| 11 | 6 | 301 | CLA | C2-C1-O2A-CGA |
| 11 | 8 | 304 | CLA | C2-C1-O2A-CGA |
| 11 | 6 | 311 | CLA | C2A-CAA-CBA-CGA |
| 11 | 8 | 308 | CLA | C3A-C2A-CAA-CBA |
| 11 | 8 | 309 | CLA | C3A-C2A-CAA-CBA |
| 11 | 12 | 304 | CLA | C3A-C2A-CAA-CBA |
| 11 | 15 | 304 | CLA | C3A-C2A-CAA-CBA |
| 11 | 15 | 303 | CLA | CAA-CBA-CGA-O2A |
| 13 | 10 | 314 | DD6 | C3-C4-C5-C6 |
| 14 | 8 | 318 | A86 | O-C13-C14-C15 |
| 14 | 10 | 316 | A86 | O-C13-C14-C15 |
| 14 | 13 | 315 | A86 | O-C13-C14-C15 |
| 14 | 14 | 314 | A86 | O-C13-C14-C15 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 14 | 14 | 317 | A86 | O-C13-C14-C15 |
| 14 | 15 | 317 | A86 | O-C13-C14-C15 |
| 11 | 15 | 306 | CLA | CAA-CBA-CGA-O2A |
| 13 | 7 | 317 | DD6 | C27-C29-C30-C31 |
| 16 | 8 | 321 | LMG | C33-C34-C35-C36 |
| 11 | 15 | 302 | CLA | C6-C7-C8-C9 |
| 11 | 13 | 304 | CLA | CAA-CBA-CGA-O2A |
| 13 | 10 | 313 | DD6 | C9-C10-C11-C12 |
| 14 | 7 | 318 | A86 | C-C1-C2-C3 |
| 14 | 7 | 318 | A86 | C4-C5-C6-C7 |
| 14 | 8 | 318 | A86 | C-C1-C2-C3 |
| 14 | 10 | 301 | A86 | C25-C26-C27-C28 |
| 14 | 11 | 301 | A86 | C-C1-C2-C3 |
| 14 | 11 | 301 | A86 | C4-C5-C6-C7 |
| 14 | 14 | 320 | A86 | C-C1-C2-C3 |
| 14 | 15 | 322 | A86 | C-C1-C2-C3 |
| 11 | 15 | 305 | CLA | CAA-CBA-CGA-O1A |
| 14 | 14 | 301 | A86 | C-C1-C24-C25 |
| 17 | 15 | 301 | LMT | C2-C3-C4-C5 |
| 11 | 7 | 310 | CLA | C5-C6-C7-C8 |
| 11 | 15 | 306 | CLA | CAA-CBA-CGA-O1A |
| 11 | 15 | 310 | CLA | C1A-C2A-CAA-CBA |
| 11 | 10 | 303 | CLA | C11-C10-C8-C7 |
| 11 | 12 | 306 | CLA | C2-C3-C5-C6 |
| 11 | 13 | 304 | CLA | CAA-CBA-CGA-O1A |
| 12 | 7 | 307 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 10 | 312 | KC1 | C3A-C2A-CAA-CBA |
| 12 | 14 | 306 | KC1 | C3A-C2A-CAA-CBA |
| 11 | 11 | 309 | CLA | C4-C3-C5-C6 |
| 11 | 12 | 312 | CLA | C4-C3-C5-C6 |
| 11 | 15 | 312 | CLA | O1D-CGD-O2D-CED |
| 14 | 7 | 318 | A86 | C24-C1-C2-C3 |
| 14 | 7 | 318 | A86 | C4-C5-C6-C8 |
| 14 | 10 | 301 | A86 | C25-C26-C27-C29 |
| 14 | 11 | 301 | A86 | C24-C1-C2-C3 |
| 14 | 11 | 301 | A86 | C4-C5-C6-C8 |
| 14 | 14 | 320 | A86 | C24-C1-C2-C3 |
| 14 | 15 | 322 | A86 | C24-C1-C2-C3 |
| 14 | 16 | 314 | A86 | C13-C14-C15-C16 |
| 11 | 13 | 309 | CLA | CAA-CBA-CGA-O1A |
| 13 | 15 | 319 | DD6 | C24-C25-C26-C27 |
| 14 | 11 | 313 | A86 | C1-C2-C3-C4 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 14 | 11 | 314 | A86 | C3-C4-C5-C6 |
| 14 | 14 | 314 | A86 | C3-C4-C5-C6 |
| 14 | 14 | 316 | A86 | C11-C10-C9-C8 |
| 14 | 15 | 317 | A86 | C1-C2-C3-C4 |
| 11 | 12 | 303 | CLA | O1D-CGD-O2D-CED |
| 16 | 7 | 319 | LMG | C34-C35-C36-C37 |
| 14 | 10 | 315 | A86 | C10-C11-C13-C14 |
| 14 | 11 | 301 | A86 | C10-C11-C13-C14 |
| 14 | 11 | 313 | A86 | C10-C11-C13-C14 |
| 14 | 12 | 314 | A86 | C10-C11-C13-C14 |
| 14 | 13 | 315 | A86 | C10-C11-C13-C14 |
| 14 | 15 | 321 | A86 | C10-C11-C13-C14 |
| 11 | 8 | 308 | CLA | C4-C3-C5-C6 |
| 11 | 10 | 307 | CLA | C4-C3-C5-C6 |
| 11 | 12 | 303 | CLA | C4-C3-C5-C6 |
| 11 | 12 | 304 | CLA | C4-C3-C5-C6 |
| 11 | 12 | 310 | CLA | C4-C3-C5-C6 |
| 11 | 7 | 310 | CLA | C2-C3-C5-C6 |
| 17 | 8 | 324 | LMT | C6-C7-C8-C9 |
| 11 | 13 | 309 | CLA | CAA-CBA-CGA-O2A |
| 12 | 8 | 312 | KC1 | C1A-C2A-CAA-CBA |
| 12 | 13 | 311 | KC1 | C1A-C2A-CAA-CBA |
| 15 | 6 | 319 | LHG | O10-C23-O8-C6 |
| 11 | 16 | 302 | CLA | C15-C16-C17-C18 |
| 11 | 6 | 301 | CLA | C2A-CAA-CBA-CGA |
| 11 | 6 | 313 | CLA | C2A-CAA-CBA-CGA |
| 11 | 12 | 304 | CLA | CAA-CBA-CGA-O1A |
| 11 | 14 | 309 | CLA | CAA-CBA-CGA-O2A |
| 11 | 6 | 304 | CLA | C10-C11-C12-C13 |
| 13 | 11 | 312 | DD6 | C3-C4-C5-C6 |
| 14 | 10 | 315 | A86 | C24-C25-C26-C27 |
| 14 | 14 | 301 | A86 | C3-C4-C5-C6 |
| 11 | 14 | 307 | CLA | C4-C3-C5-C6 |
| 14 | 14 | 301 | A86 | C2-C1-C24-C25 |
| 11 | 15 | 309 | CLA | C2-C3-C5-C6 |
| 11 | 14 | 312 | CLA | CAA-CBA-CGA-O2A |
| 11 | 15 | 310 | CLA | CAA-CBA-CGA-O2A |
| 11 | 10 | 307 | CLA | O1A-CGA-O2A-C1 |
| 11 | 7 | 302 | CLA | C5-C6-C7-C8 |
| 11 | 6 | 304 | CLA | C8-C10-C11-C12 |
| 16 | 7 | 319 | LMG | C33-C34-C35-C36 |
| 11 | 10 | 307 | CLA | CBA-CGA-O2A-C1 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 11 | 6 | 313 | CLA | C5-C6-C7-C8 |
| 11 | 15 | 310 | CLA | CAA-CBA-CGA-O1A |
| 17 | 12 | 322 | LMT | O5B-C1B-O1B-C4' |
| 11 | 15 | 304 | CLA | C11-C10-C8-C7 |
| 11 | 16 | 308 | CLA | CAA-CBA-CGA-O2A |
| 11 | 14 | 307 | CLA | C8-C10-C11-C12 |
| 14 | 13 | 315 | A86 | C24-C25-C26-C27 |
| 11 | 8 | 305 | CLA | C5-C6-C7-C8 |
| 11 | 8 | 309 | CLA | C2A-CAA-CBA-CGA |
| 11 | 6 | 303 | CLA | C5-C6-C7-C8 |
| 11 | 8 | 303 | CLA | C2-C3-C5-C6 |
| 11 | 8 | 308 | CLA | C2-C3-C5-C6 |
| 11 | 12 | 308 | CLA | C2-C3-C5-C6 |
| 11 | 12 | 312 | CLA | C2-C3-C5-C6 |
| 11 | 6 | 314 | CLA | C6-C7-C8-C9 |
| 11 | 7 | 308 | CLA | C14-C13-C15-C16 |
| 11 | 12 | 304 | CLA | C11-C12-C13-C14 |
| 11 | 12 | 312 | CLA | C11-C10-C8-C9 |
| 11 | 13 | 301 | CLA | C6-C7-C8-C9 |
| 11 | 13 | 307 | CLA | C11-C12-C13-C14 |
| 11 | 16 | 303 | CLA | C14-C13-C15-C16 |
| 11 | 6 | 304 | CLA | C3A-C2A-CAA-CBA |
| 11 | 6 | 306 | CLA | C3A-C2A-CAA-CBA |
| 11 | 15 | 310 | CLA | C3A-C2A-CAA-CBA |
| 17 | 11 | 316 | LMT | C3'-C4'-O1B-C1B |
| 11 | 15 | 305 | CLA | CAA-CBA-CGA-O2A |
| 11 | 7 | 303 | CLA | CAD-CBD-CGD-O2D |
| 11 | 8 | 305 | CLA | CAD-CBD-CGD-O2D |
| 11 | 10 | 307 | CLA | CAD-CBD-CGD-O2D |
| 11 | 10 | 311 | CLA | CAD-CBD-CGD-O2D |
| 11 | 12 | 321 | CLA | CAD-CBD-CGD-O2D |
| 11 | 13 | 309 | CLA | CAD-CBD-CGD-O2D |
| 11 | 15 | 303 | CLA | CAD-CBD-CGD-O2D |
| 11 | 15 | 307 | CLA | CAD-CBD-CGD-O2D |
| 11 | 16 | 303 | CLA | CAD-CBD-CGD-O2D |
| 11 | 16 | 305 | CLA | CAD-CBD-CGD-O2D |
| 11 | 16 | 310 | CLA | CAD-CBD-CGD-O2D |
| 14 | 12 | 316 | A86 | C28-C27-C29-C30 |
| 14 | 14 | 317 | A86 | C28-C27-C29-C30 |
| 14 | 14 | 321 | A86 | C28-C27-C29-C30 |
| 14 | 12 | 316 | A86 | C3-C4-C5-C6 |
| 11 | 6 | 306 | CLA | C2-C1-O2A-CGA |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 11 | 16 | 306 | CLA | C2-C1-O2A-CGA |
| 11 | 15 | 311 | CLA | CAA-CBA-CGA-O2A |
| 11 | 16 | 310 | CLA | CAA-CBA-CGA-O2A |
| 11 | 14 | 312 | CLA | CAA-CBA-CGA-O1A |
| 11 | 8 | 303 | CLA | C13-C15-C16-C17 |
| 11 | 11 | 309 | CLA | C2-C3-C5-C6 |
| 11 | 12 | 310 | CLA | C2-C3-C5-C6 |
| 11 | 6 | 313 | CLA | CAA-CBA-CGA-O2A |
| 11 | 7 | 311 | CLA | CAA-CBA-CGA-O2A |
| 11 | 13 | 301 | CLA | CAA-CBA-CGA-O2A |
| 14 | 10 | 317 | A86 | C2-C1-C24-C25 |
| 13 | 7 | 313 | DD6 | C13-C14-C15-O1 |
| 13 | 8 | 316 | DD6 | C13-C14-C15-O1 |
| 14 | 6 | 317 | A86 | C12-C11-C13-O |
| 14 | 7 | 314 | A86 | C12-C11-C13-O |
| 14 | 14 | 318 | A86 | C12-C11-C13-O |
| 14 | 15 | 322 | A86 | C12-C11-C13-O |
| 11 | 14 | 309 | CLA | CAA-CBA-CGA-O1A |
| 11 | 10 | 307 | CLA | CAA-CBA-CGA-O2A |
| 11 | 16 | 310 | CLA | CAA-CBA-CGA-O1A |
| 16 | 8 | 321 | LMG | C34-C35-C36-C37 |
| 11 | 15 | 304 | CLA | O2A-C1-C2-C3 |
| 12 | 12 | 309 | KC1 | C4B-C3B-CAB-CBB |
| 11 | 14 | 304 | CLA | CAA-CBA-CGA-O2A |
| 12 | 8 | 306 | KC1 | CBD-CGD-O2D-CED |
| 11 | 6 | 304 | CLA | CHA-CBD-CGD-O2D |
| 11 | 6 | 311 | CLA | CHA-CBD-CGD-O1D |
| 11 | 6 | 311 | CLA | CHA-CBD-CGD-O2D |
| 11 | 13 | 303 | CLA | CHA-CBD-CGD-O1D |
| 11 | 14 | 303 | CLA | CHA-CBD-CGD-O1D |
| 11 | 14 | 307 | CLA | CHA-CBD-CGD-O1D |
| 11 | 14 | 307 | CLA | CHA-CBD-CGD-O2D |
| 11 | 15 | 308 | CLA | CHA-CBD-CGD-O1D |
| 11 | 15 | 312 | CLA | CHA-CBD-CGD-O2D |
| 12 | 8 | 310 | KC1 | CHA-CBD-CGD-O2D |
| 12 | 8 | 313 | KC1 | CHA-CBD-CGD-O1D |
| 12 | 8 | 313 | KC1 | CHA-CBD-CGD-O2D |
| 12 | 12 | 309 | KC1 | CHA-CBD-CGD-O2D |
| 12 | 14 | 306 | KC1 | CHA-CBD-CGD-O1D |
| 13 | 13 | 314 | DD6 | C24-C25-C26-C27 |
| 14 | 7 | 318 | A86 | C24-C25-C26-C27 |
| 11 | 14 | 304 | CLA | CAA-CBA-CGA-O1A |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 11 | 6 | 307 | CLA | C4-C3-C5-C6 |
| 11 | 16 | 306 | CLA | CAA-CBA-CGA-O2A |
| 11 | 14 | 307 | CLA | C2-C3-C5-C6 |
| 11 | 10 | 303 | CLA | CBD-CGD-O2D-CED |
| 11 | 15 | 311 | CLA | CAA-CBA-CGA-O1A |
| 11 | 11 | 305 | CLA | CAA-CBA-CGA-O2A |
| 11 | 11 | 309 | CLA | CAA-CBA-CGA-O2A |
| 11 | 16 | 301 | CLA | CAA-CBA-CGA-O2A |
| 12 | 16 | 311 | KC1 | C4C-C3C-CAC-CBC |
| 11 | 11 | 305 | CLA | C6-C7-C8-C9 |
| 11 | 15 | 308 | CLA | CAA-CBA-CGA-O2A |
| 14 | 6 | 317 | A86 | C10-C11-C13-O |
| 14 | 8 | 318 | A86 | C10-C11-C13-O |
| 14 | 8 | 318 | A86 | C13-C14-C15-O1 |
| 14 | 10 | 315 | A86 | C10-C11-C13-O |
| 14 | 10 | 317 | A86 | C13-C14-C15-O1 |
| 14 | 11 | 314 | A86 | C13-C14-C15-O1 |
| 14 | 11 | 315 | A86 | C10-C11-C13-O |
| 14 | 12 | 314 | A86 | C10-C11-C13-O |
| 14 | 12 | 316 | A86 | C10-C11-C13-O |
| 14 | 13 | 313 | A86 | C13-C14-C15-O1 |
| 14 | 14 | 314 | A86 | C13-C14-C15-O1 |
| 14 | 14 | 315 | A86 | C13-C14-C15-O1 |
| 14 | 14 | 316 | A86 | C10-C11-C13-O |
| 14 | 14 | 319 | A86 | C13-C14-C15-O1 |
| 14 | 14 | 321 | A86 | C10-C11-C13-O |
| 14 | 15 | 315 | A86 | C13-C14-C15-O1 |
| 14 | 15 | 317 | A86 | C10-C11-C13-O |
| 14 | 15 | 321 | A86 | C10-C11-C13-O |
| 11 | 16 | 301 | CLA | CBA-CGA-O2A-C1 |
| 11 | 12 | 307 | CLA | CAA-CBA-CGA-O2A |
| 11 | 8 | 301 | CLA | C12-C13-C15-C16 |
| 11 | 12 | 304 | CLA | C12-C13-C15-C16 |
| 11 | 8 | 304 | CLA | CAA-CBA-CGA-O2A |
| 11 | 8 | 301 | CLA | C14-C13-C15-C16 |
| 15 | 6 | 319 | LHG | C24-C23-O8-C6 |
| 11 | 16 | 308 | CLA | CAA-CBA-CGA-O1A |
| 11 | 14 | 305 | CLA | C2A-CAA-CBA-CGA |
| 11 | 6 | 313 | CLA | CAA-CBA-CGA-O1A |
| 11 | 12 | 302 | CLA | C10-C11-C12-C13 |
| 11 | 13 | 301 | CLA | C8-C10-C11-C12 |
| 14 | 8 | 318 | A86 | C39-C38-O4-C34 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 11 | 15 | 308 | CLA | CBD-CGD-O2D-CED |
| 11 | 7 | 311 | CLA | CAA-CBA-CGA-O1A |
| 11 | 10 | 307 | CLA | CAA-CBA-CGA-O1A |
| 17 | 15 | 301 | LMT | O5'-C5'-C6'-O6' |
| 11 | 6 | 303 | CLA | C1A-C2A-CAA-CBA |
| 11 | 6 | 304 | CLA | C1A-C2A-CAA-CBA |
| 11 | 8 | 304 | CLA | C1A-C2A-CAA-CBA |
| 11 | 8 | 308 | CLA | C1A-C2A-CAA-CBA |
| 11 | 8 | 309 | CLA | C1A-C2A-CAA-CBA |
| 11 | 14 | 302 | CLA | C1A-C2A-CAA-CBA |
| 11 | 14 | 309 | CLA | C1A-C2A-CAA-CBA |
| 11 | 15 | 304 | CLA | C1A-C2A-CAA-CBA |
| 11 | 10 | 307 | CLA | C2-C1-O2A-CGA |
| 11 | 13 | 301 | CLA | CAA-CBA-CGA-O1A |
| 11 | 10 | 303 | CLA | C2A-CAA-CBA-CGA |
| 11 | 13 | 304 | CLA | C2A-CAA-CBA-CGA |
| 11 | 7 | 306 | CLA | CAA-CBA-CGA-O2A |
| 16 | 8 | 321 | LMG | C2-C1-O1-C7 |
| 15 | 6 | 319 | LHG | C4-O6-P-O5 |
| 11 | 8 | 301 | CLA | CAA-CBA-CGA-O2A |
| 13 | 7 | 313 | DD6 | C11-C13-C14-C15 |
| 13 | 10 | 313 | DD6 | C11-C13-C14-C15 |
| 13 | 12 | 317 | DD6 | C11-C13-C14-C15 |
| 13 | 13 | 314 | DD6 | C11-C13-C14-C15 |
| 13 | 16 | 313 | DD6 | C11-C13-C14-C15 |
| 11 | 11 | 309 | CLA | CAA-CBA-CGA-O1A |
| 11 | 16 | 301 | CLA | CAA-CBA-CGA-O1A |
| 11 | 16 | 306 | CLA | CAA-CBA-CGA-O1A |
| 11 | 15 | 311 | CLA | C2A-CAA-CBA-CGA |
| 11 | 15 | 304 | CLA | C4C-C3C-CAC-CBC |
| 12 | 12 | 305 | KC1 | CAA-CBA-CGA-O1A |
| 11 | 15 | 308 | CLA | CAA-CBA-CGA-O1A |
| 11 | 16 | 303 | CLA | C5-C6-C7-C8 |
| 17 | 7 | 320 | LMT | O1'-C1-C2-C3 |
| 11 | 10 | 311 | CLA | CAA-CBA-CGA-O2A |
| 11 | 10 | 308 | CLA | CAD-CBD-CGD-O1D |
| 11 | 10 | 311 | CLA | CAD-CBD-CGD-O1D |
| 11 | 11 | 305 | CLA | CAD-CBD-CGD-O1D |
| 11 | 12 | 304 | CLA | CAD-CBD-CGD-O1D |
| 11 | 14 | 307 | CLA | CAD-CBD-CGD-O1D |
| 12 | 8 | 313 | KC1 | CAD-CBD-CGD-O1D |
| 12 | 10 | 312 | KC1 | CAD-CBD-CGD-O1D |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 12 | 13 | 312 | KC1 | CAD-CBD-CGD-O1D |
| 14 | 12 | 316 | A86 | C26-C27-C29-C30 |
| 14 | 14 | 321 | A86 | C26-C27-C29-C30 |
| 11 | 16 | 301 | CLA | O1A-CGA-O2A-C1 |
| 11 | 8 | 304 | CLA | CAA-CBA-CGA-O1A |
| 11 | 12 | 307 | CLA | CAA-CBA-CGA-O1A |
| 16 | 14 | 322 | LMG | C15-C16-C17-C18 |
| 11 | 10 | 303 | CLA | C11-C10-C8-C9 |
| 11 | 10 | 309 | CLA | C5-C6-C7-C8 |
| 11 | 10 | 309 | CLA | CAA-CBA-CGA-O2A |
| 11 | 12 | 308 | CLA | CAA-CBA-CGA-O2A |
| 11 | 15 | 304 | CLA | C2C-C3C-CAC-CBC |
| 12 | 12 | 305 | KC1 | CAA-CBA-CGA-O2A |
| 11 | 8 | 305 | CLA | CAA-CBA-CGA-O2A |
| 11 | 14 | 302 | CLA | CAA-CBA-CGA-O2A |
| 11 | 7 | 308 | CLA | C10-C11-C12-C13 |
| 11 | 12 | 312 | CLA | C3A-C2A-CAA-CBA |
| 11 | 15 | 302 | CLA | C6-C7-C8-C10 |
| 11 | 11 | 305 | CLA | CAA-CBA-CGA-O1A |
| 11 | 10 | 303 | CLA | CAA-CBA-CGA-O2A |
| 11 | 13 | 303 | CLA | CAA-CBA-CGA-O2A |
| 11 | 16 | 307 | CLA | CAA-CBA-CGA-O2A |
| 13 | 6 | 315 | DD6 | C2-C1-C24-C25 |
| 13 | 7 | 313 | DD6 | C5-C6-C8-C9 |
| 11 | 16 | 307 | CLA | CAA-CBA-CGA-O1A |
| 12 | 16 | 311 | KC1 | C2C-C3C-CAC-CBC |
| 14 | 10 | 317 | A86 | O-C13-C14-C15 |
| 14 | 11 | 315 | A86 | O-C13-C14-C15 |
| 14 | 12 | 314 | A86 | O-C13-C14-C15 |
| 14 | 15 | 321 | A86 | O-C13-C14-C15 |
| 11 | 7 | 306 | CLA | CAA-CBA-CGA-O1A |
| 11 | 13 | 303 | CLA | C8-C10-C11-C12 |
| 11 | 14 | 302 | CLA | C8-C10-C11-C12 |
| 11 | 14 | 302 | CLA | CAA-CBA-CGA-O1A |
| 11 | 8 | 303 | CLA | C2A-CAA-CBA-CGA |
| 11 | 11 | 309 | CLA | C13-C15-C16-C17 |
| 11 | 10 | 303 | CLA | CAA-CBA-CGA-O1A |

There are no ring outliers.

88 monomers are involved in 141 short contacts:

| Mol | Chain | Res | Type | Clashes | Symm-Clashes |
|-----|-------|-----|------|---------|--------------|
| 11 | 12 | 321 | CLA | 1 | 0 |
| 11 | 13 | 301 | CLA | 2 | 0 |
| 11 | 7 | 303 | CLA | 1 | 0 |
| 14 | 7 | 314 | A86 | 1 | 0 |
| 11 | 12 | 310 | CLA | 2 | 0 |
| 11 | 15 | 313 | CLA | 4 | 0 |
| 11 | 13 | 302 | CLA | 2 | 0 |
| 11 | 11 | 308 | CLA | 1 | 0 |
| 11 | 14 | 307 | CLA | 2 | 0 |
| 17 | 12 | 320 | LMT | 2 | 0 |
| 11 | 8 | 302 | CLA | 2 | 0 |
| 11 | 16 | 301 | CLA | 7 | 0 |
| 11 | 15 | 302 | CLA | 5 | 0 |
| 11 | 7 | 309 | CLA | 1 | 0 |
| 14 | 14 | 317 | A86 | 1 | 0 |
| 11 | 16 | 303 | CLA | 3 | 0 |
| 11 | 7 | 310 | CLA | 2 | 0 |
| 11 | 16 | 310 | CLA | 2 | 0 |
| 11 | 6 | 302 | CLA | 1 | 0 |
| 11 | 15 | 309 | CLA | 2 | 0 |
| 11 | 10 | 308 | CLA | 3 | 0 |
| 11 | 7 | 308 | CLA | 4 | 0 |
| 11 | 6 | 313 | CLA | 2 | 0 |
| 12 | 8 | 313 | KC1 | 1 | 0 |
| 11 | 6 | 304 | CLA | 2 | 0 |
| 11 | 10 | 307 | CLA | 2 | 0 |
| 17 | 12 | 319 | LMT | 3 | 0 |
| 16 | 8 | 321 | LMG | 1 | 0 |
| 13 | 11 | 312 | DD6 | 1 | 0 |
| 12 | 13 | 310 | KC1 | 1 | 0 |
| 11 | 6 | 311 | CLA | 3 | 0 |
| 11 | 10 | 303 | CLA | 3 | 0 |
| 11 | 16 | 302 | CLA | 1 | 0 |
| 14 | 8 | 315 | A86 | 1 | 0 |
| 13 | 6 | 318 | DD6 | 1 | 0 |
| 13 | 10 | 313 | DD6 | 1 | 0 |
| 11 | 13 | 304 | CLA | 2 | 0 |
| 11 | 15 | 307 | CLA | 2 | 0 |
| 11 | 14 | 303 | CLA | 3 | 0 |
| 11 | 7 | 305 | CLA | 2 | 0 |
| 11 | 6 | 306 | CLA | 3 | 0 |
| 11 | 10 | 309 | CLA | 1 | 0 |
| 11 | 12 | 308 | CLA | 3 | 0 |

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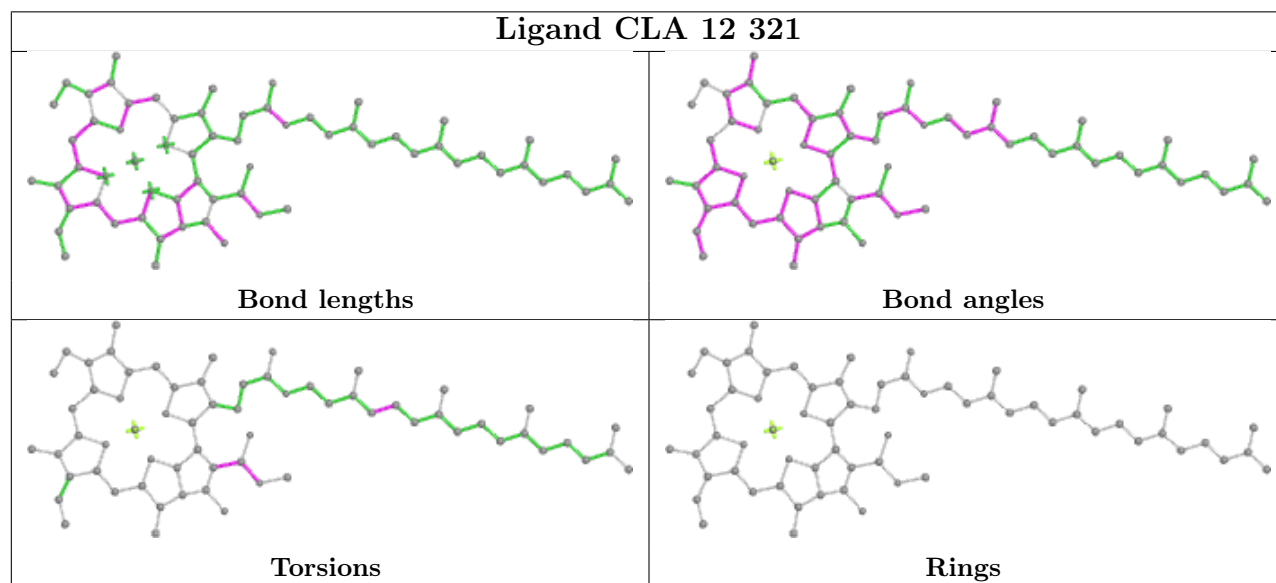
| Mol | Chain | Res | Type | Clashes | Symm-Clashes |
|-----|-------|-----|------|---------|--------------|
| 11 | 15 | 312 | CLA | 1 | 0 |
| 12 | 16 | 304 | KC1 | 1 | 0 |
| 11 | 12 | 302 | CLA | 1 | 0 |
| 16 | 7 | 319 | LMG | 1 | 0 |
| 11 | 16 | 307 | CLA | 2 | 0 |
| 11 | 8 | 303 | CLA | 5 | 0 |
| 16 | 8 | 320 | LMG | 1 | 0 |
| 13 | 6 | 316 | DD6 | 1 | 0 |
| 11 | 15 | 308 | CLA | 1 | 0 |
| 16 | 14 | 322 | LMG | 1 | 0 |
| 13 | 7 | 313 | DD6 | 1 | 0 |
| 11 | 13 | 307 | CLA | 4 | 0 |
| 11 | 10 | 304 | CLA | 3 | 0 |
| 11 | 8 | 308 | CLA | 2 | 0 |
| 17 | 8 | 324 | LMT | 1 | 0 |
| 11 | 8 | 305 | CLA | 2 | 0 |
| 11 | 12 | 312 | CLA | 1 | 0 |
| 14 | 11 | 314 | A86 | 1 | 0 |
| 11 | 15 | 304 | CLA | 1 | 0 |
| 11 | 14 | 312 | CLA | 1 | 0 |
| 13 | 13 | 314 | DD6 | 1 | 0 |
| 11 | 15 | 303 | CLA | 3 | 0 |
| 11 | 7 | 302 | CLA | 1 | 0 |
| 11 | 14 | 302 | CLA | 2 | 0 |
| 11 | 11 | 307 | CLA | 1 | 0 |
| 13 | 6 | 315 | DD6 | 2 | 0 |
| 11 | 8 | 304 | CLA | 1 | 0 |
| 11 | 7 | 306 | CLA | 3 | 0 |
| 11 | 8 | 301 | CLA | 1 | 0 |
| 11 | 12 | 304 | CLA | 2 | 0 |
| 11 | 12 | 306 | CLA | 2 | 0 |
| 17 | 12 | 322 | LMT | 1 | 0 |
| 11 | 6 | 303 | CLA | 1 | 0 |
| 11 | 10 | 305 | CLA | 2 | 0 |
| 11 | 8 | 309 | CLA | 1 | 0 |
| 17 | 11 | 316 | LMT | 2 | 0 |
| 11 | 12 | 303 | CLA | 3 | 0 |
| 17 | 12 | 301 | LMT | 1 | 0 |
| 11 | 11 | 303 | CLA | 4 | 0 |
| 14 | 14 | 320 | A86 | 1 | 0 |
| 11 | 14 | 305 | CLA | 1 | 0 |
| 11 | 16 | 306 | CLA | 1 | 0 |

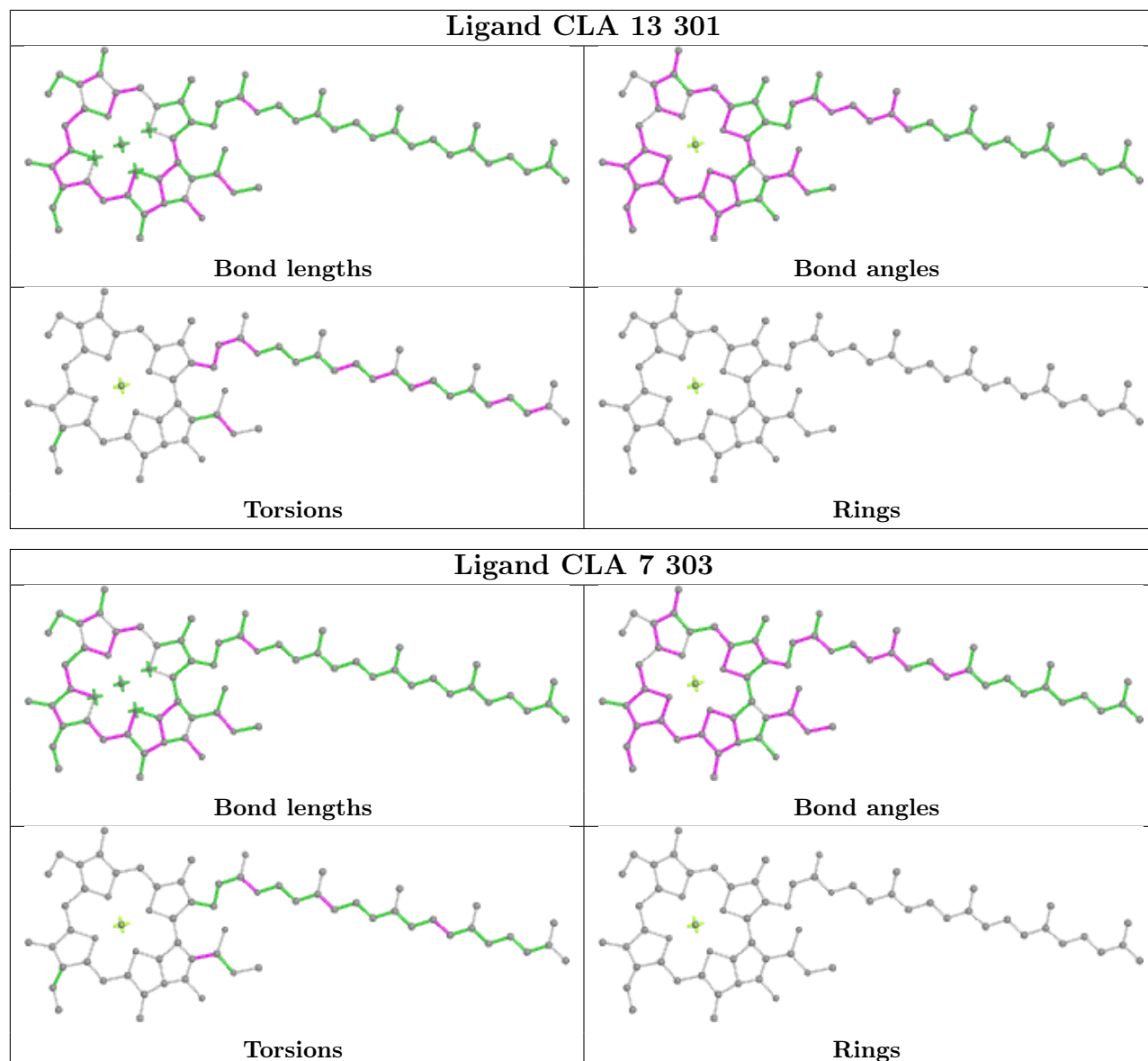
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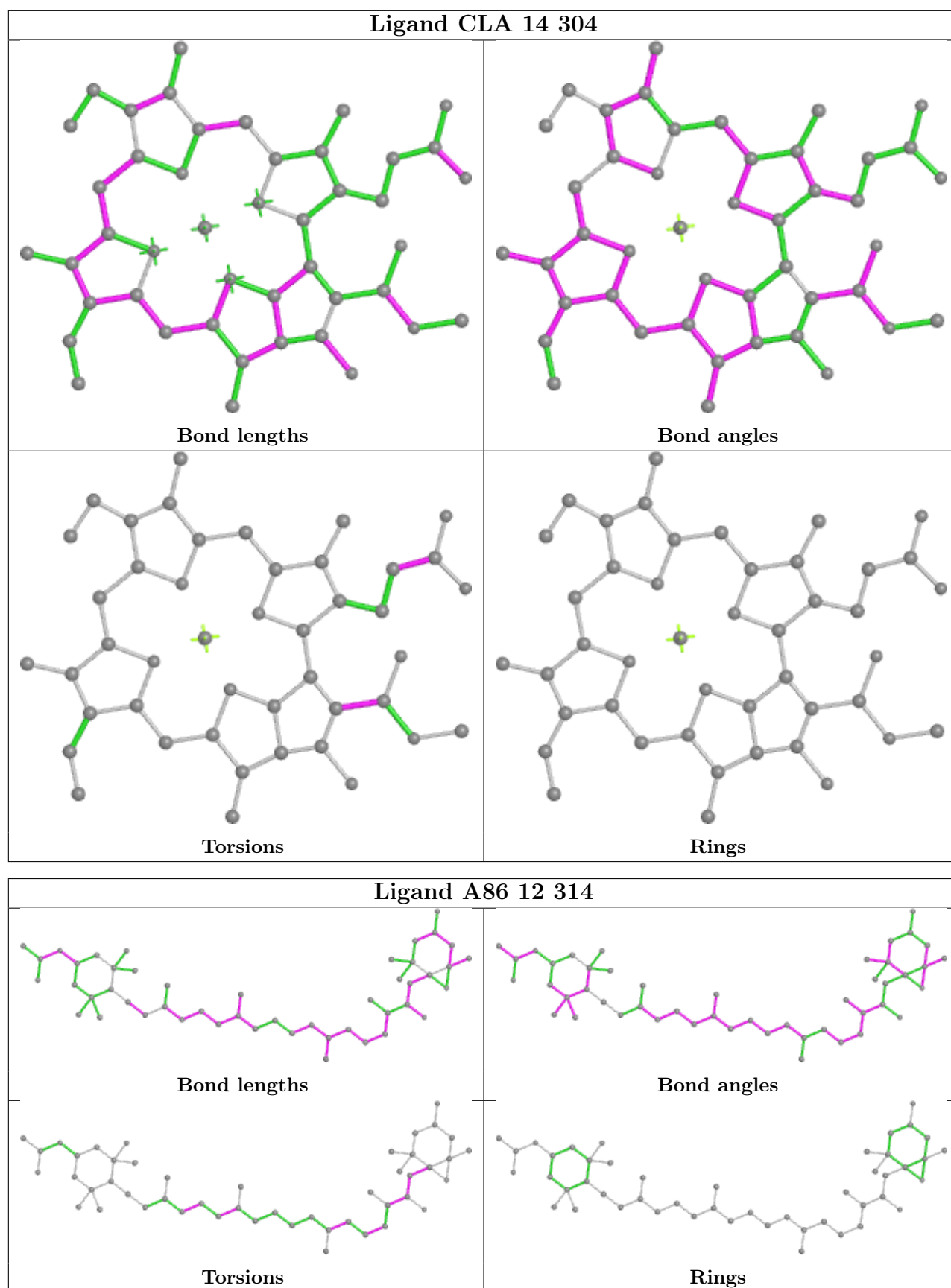
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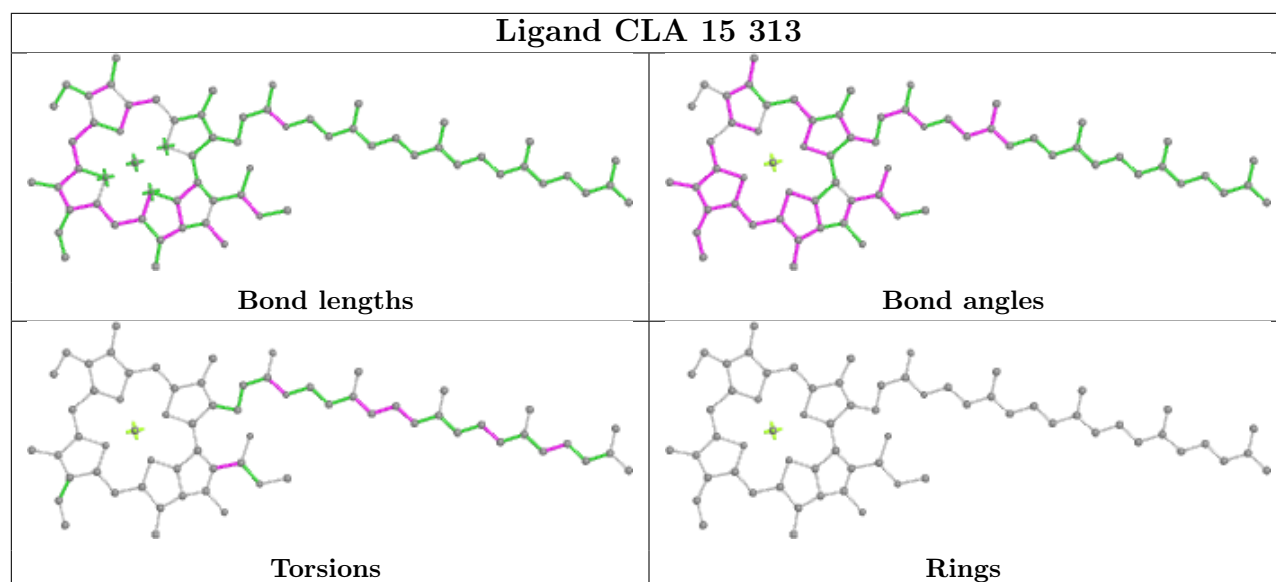
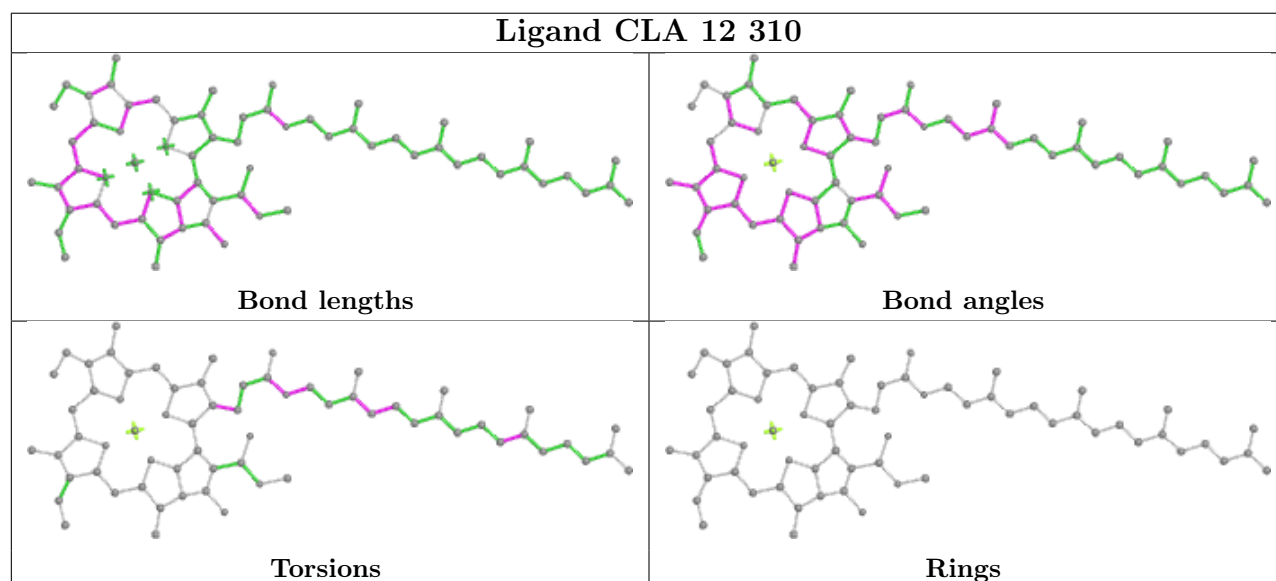
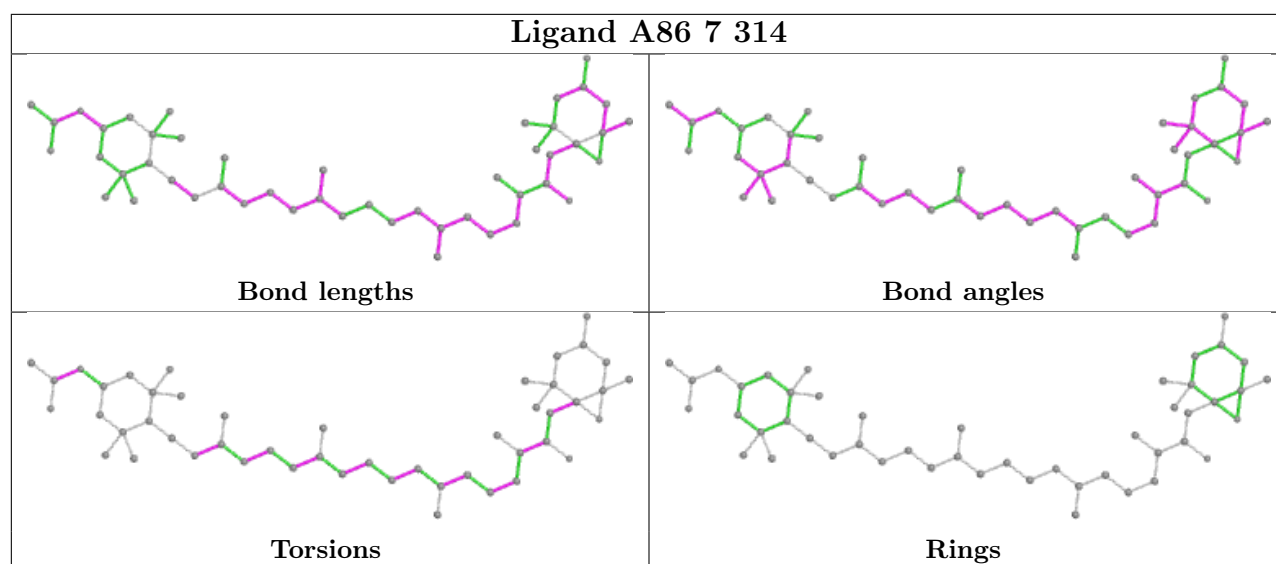
| Mol | Chain | Res | Type | Clashes | Symm-Clashes |
|-----|-------|-----|------|---------|--------------|
| 16 | 8 | 323 | LMG | 1 | 0 |
| 11 | 6 | 301 | CLA | 2 | 0 |
| 11 | 13 | 303 | CLA | 1 | 0 |

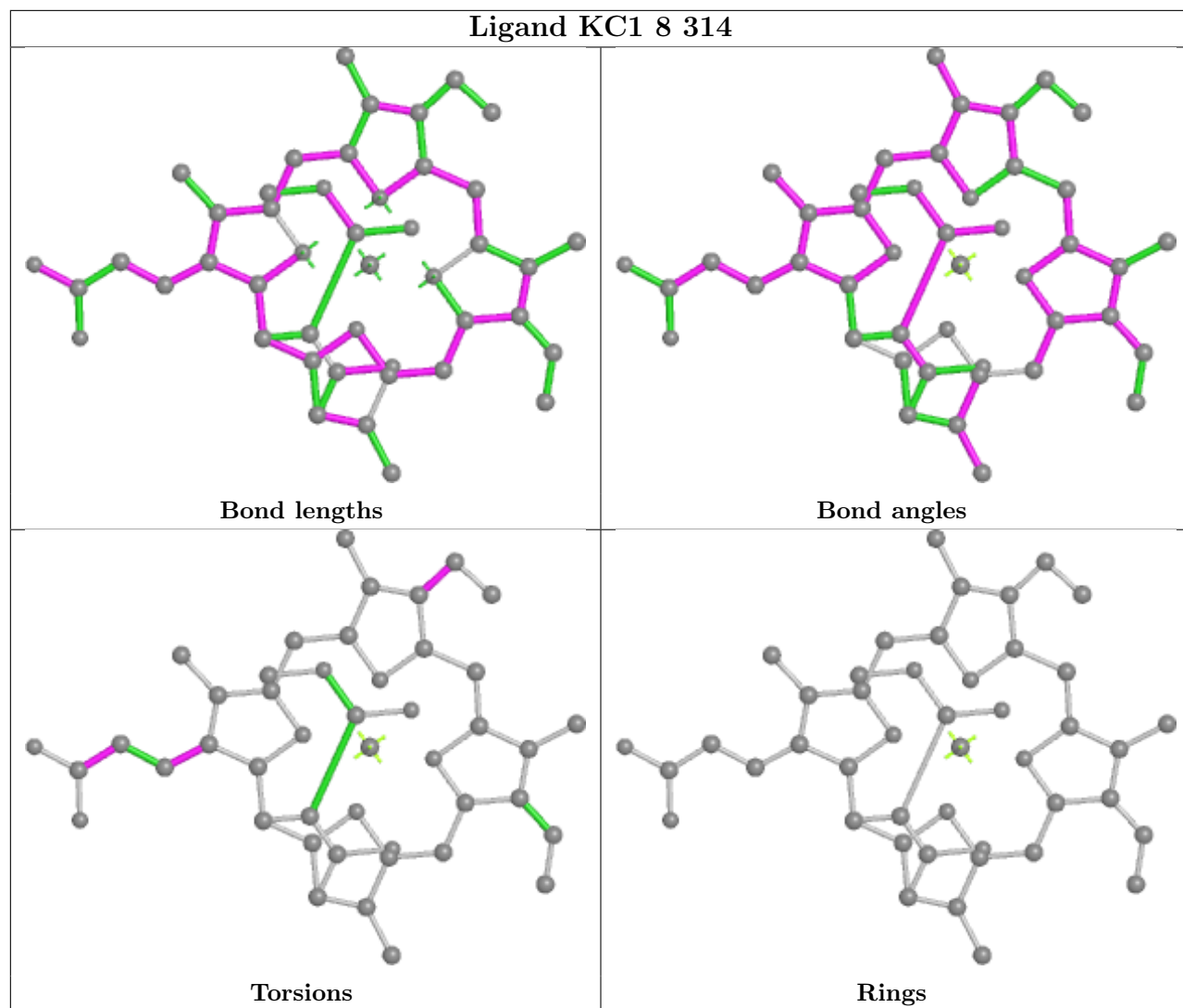
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less than 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.

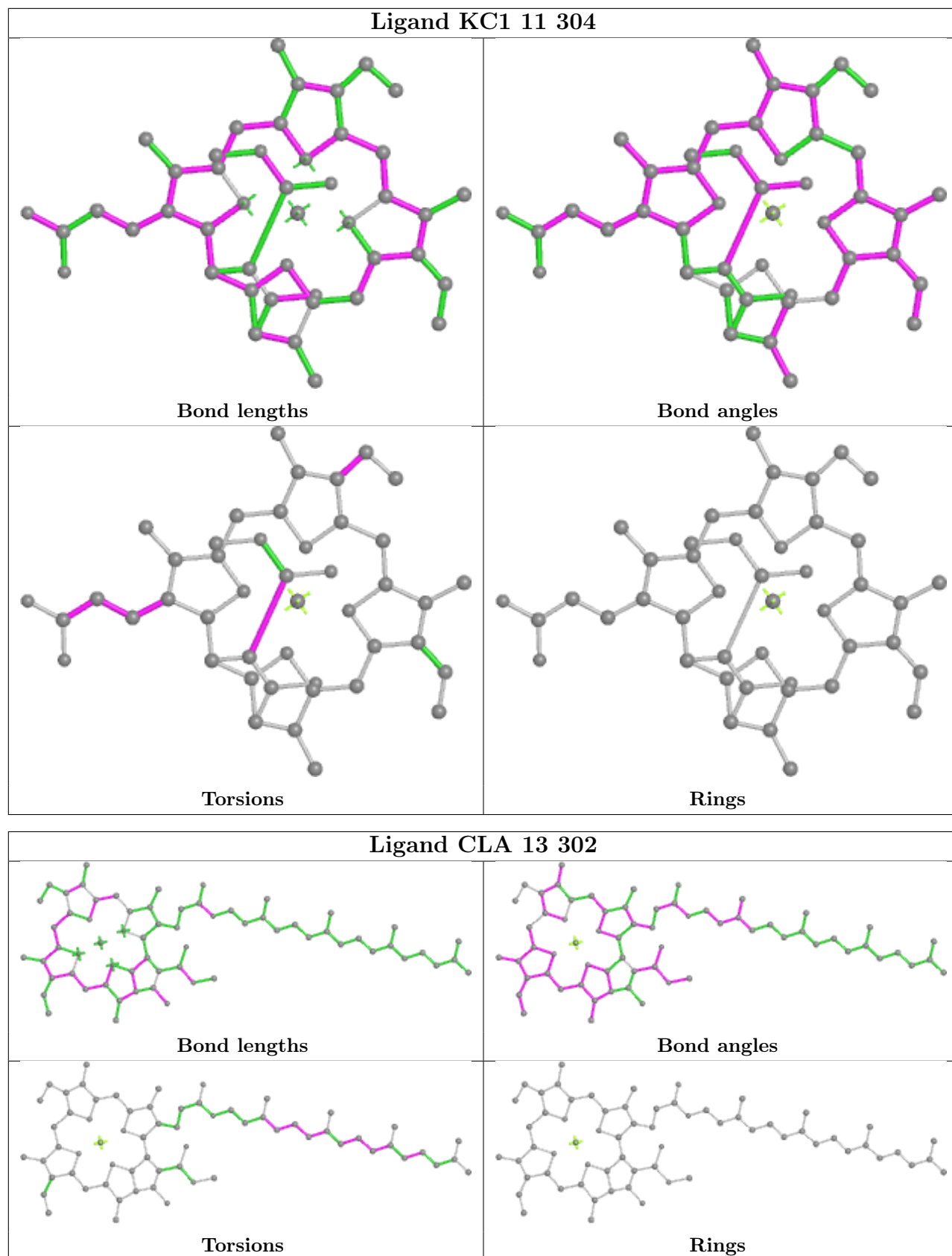


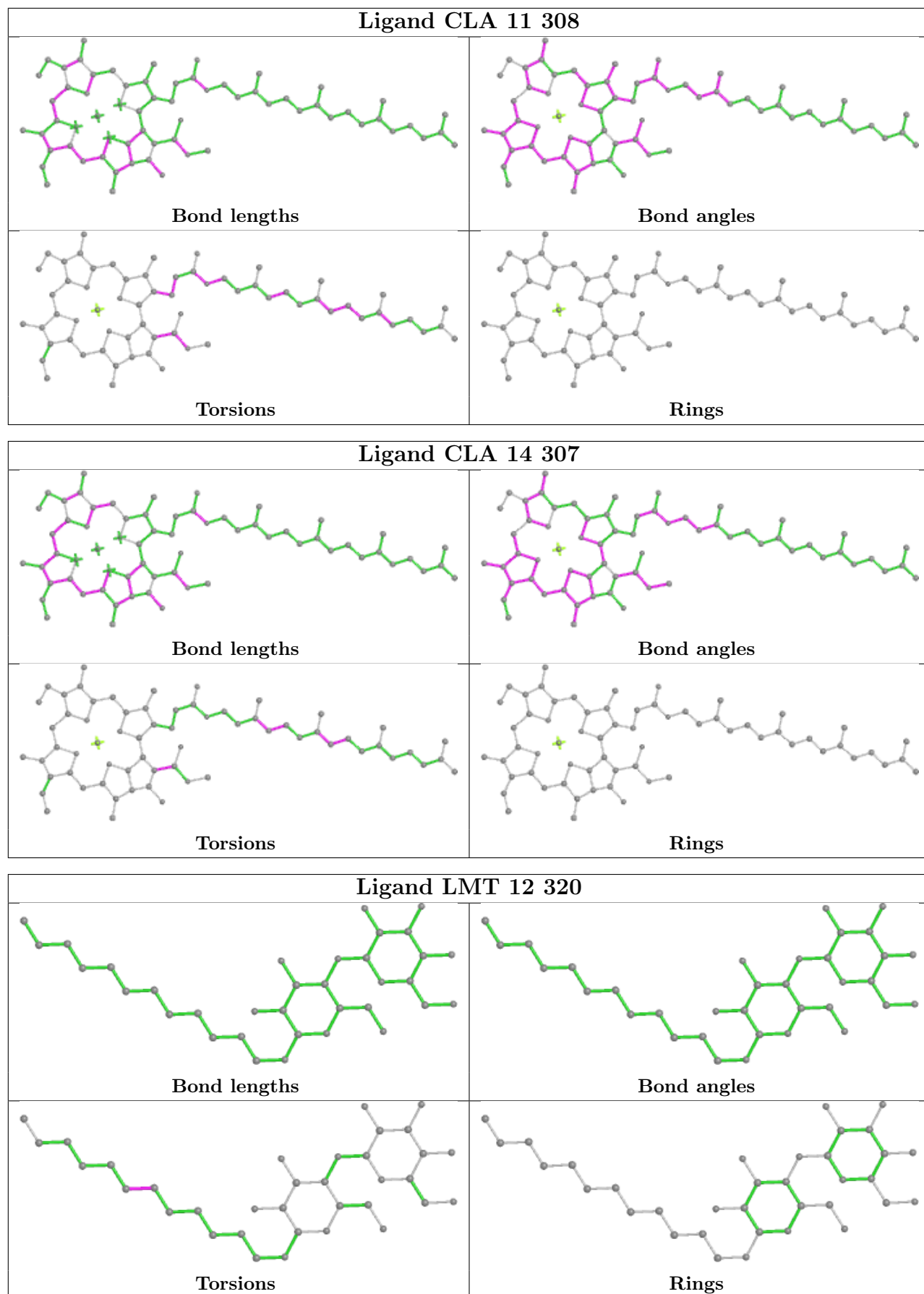


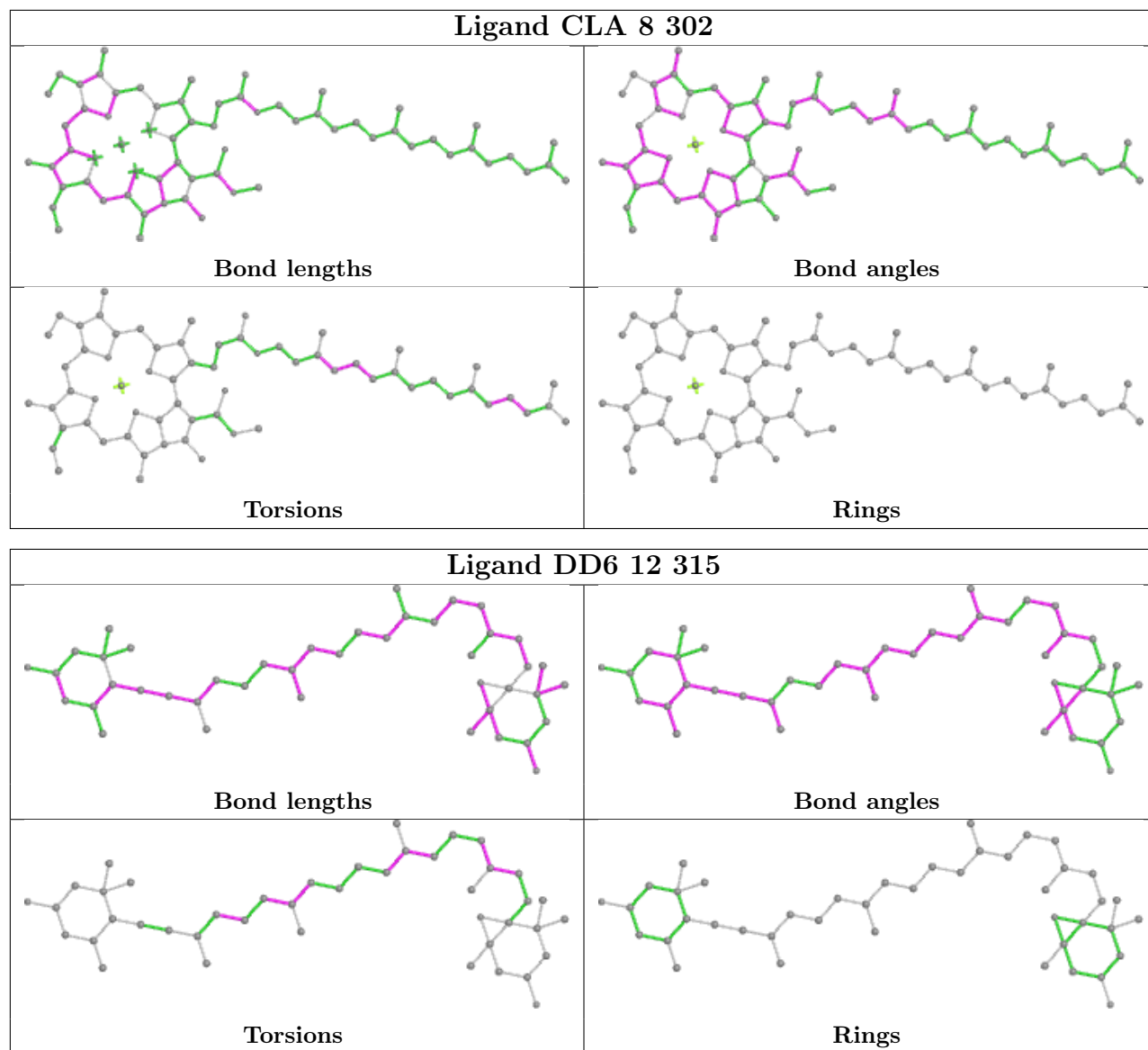


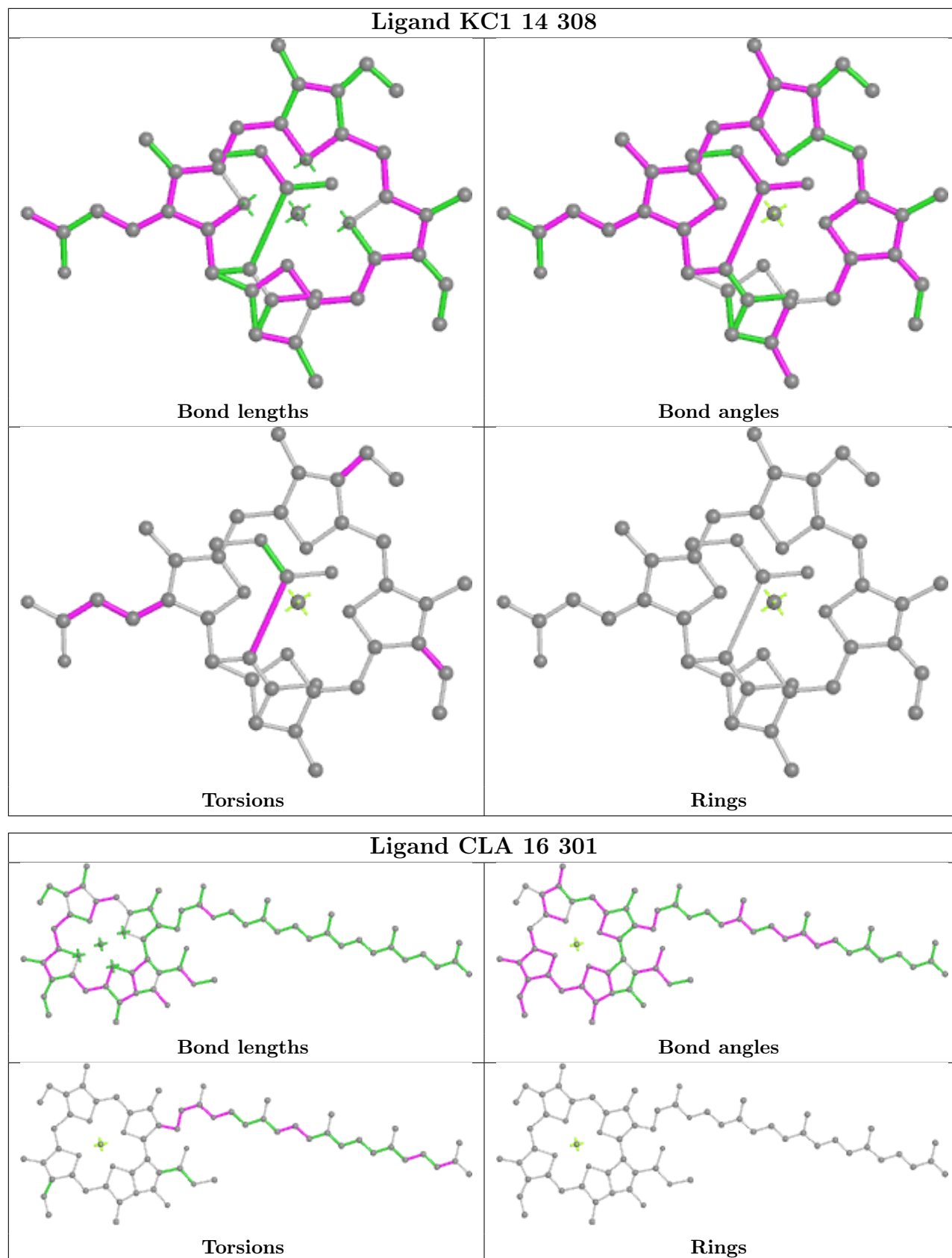


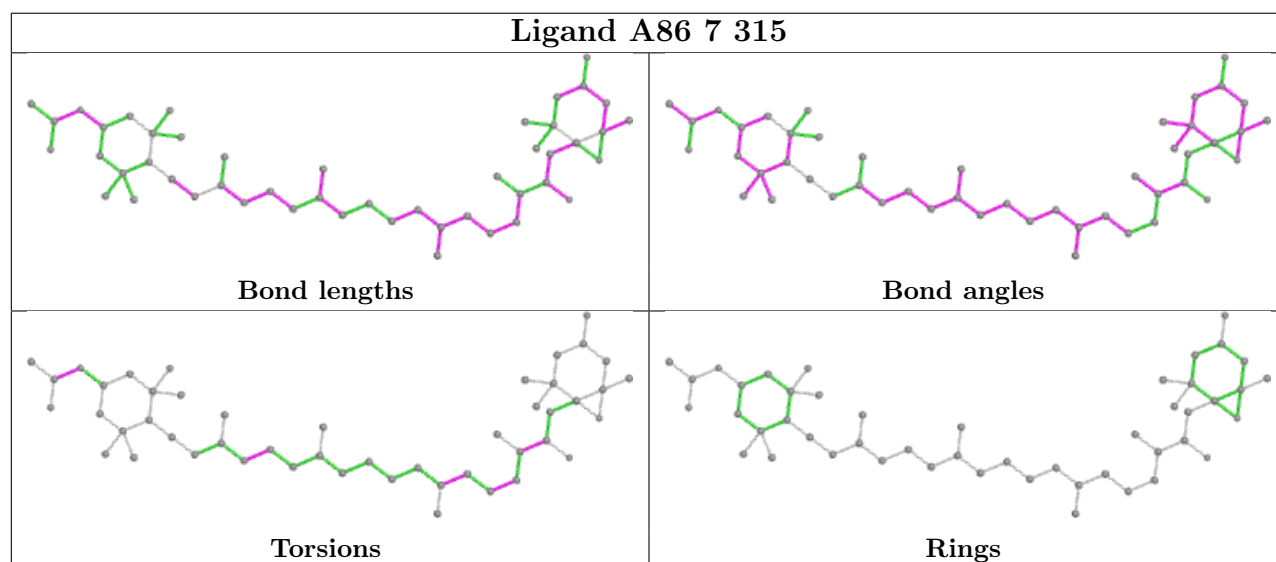
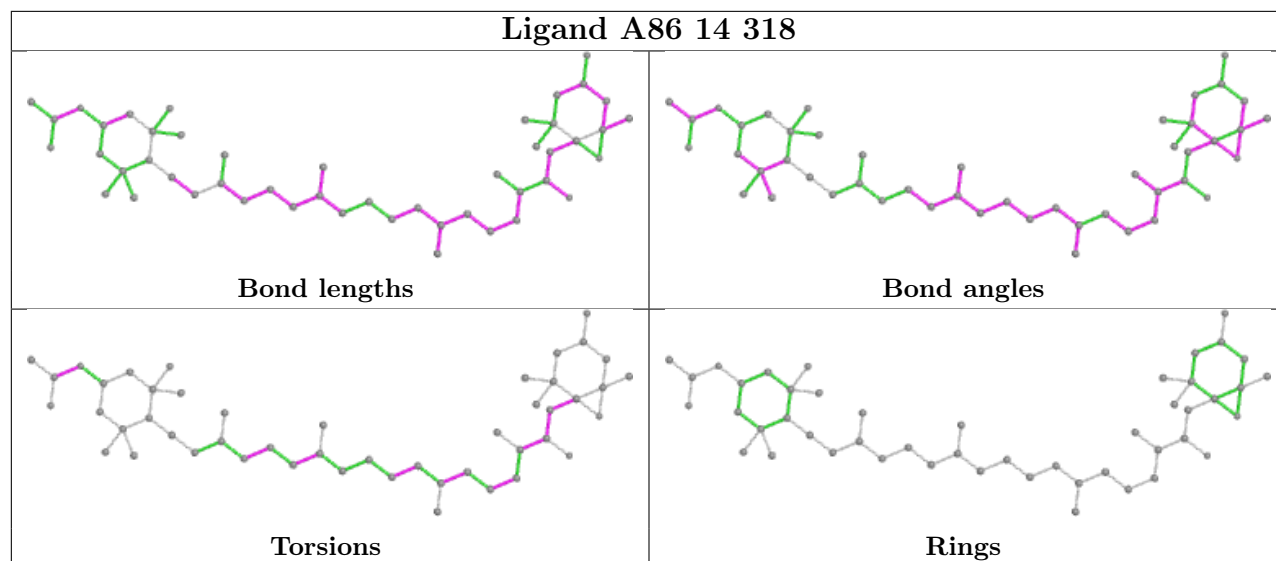


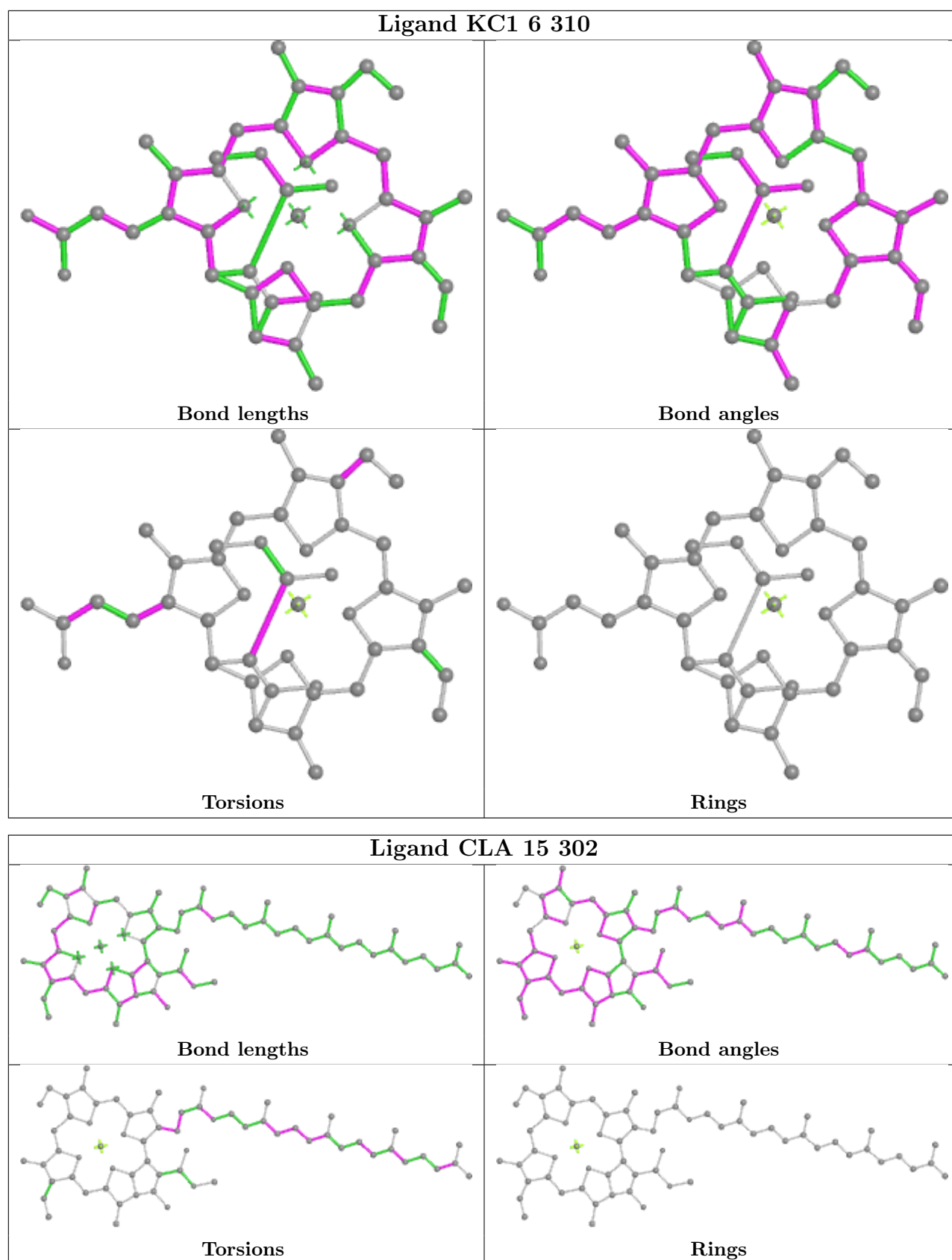


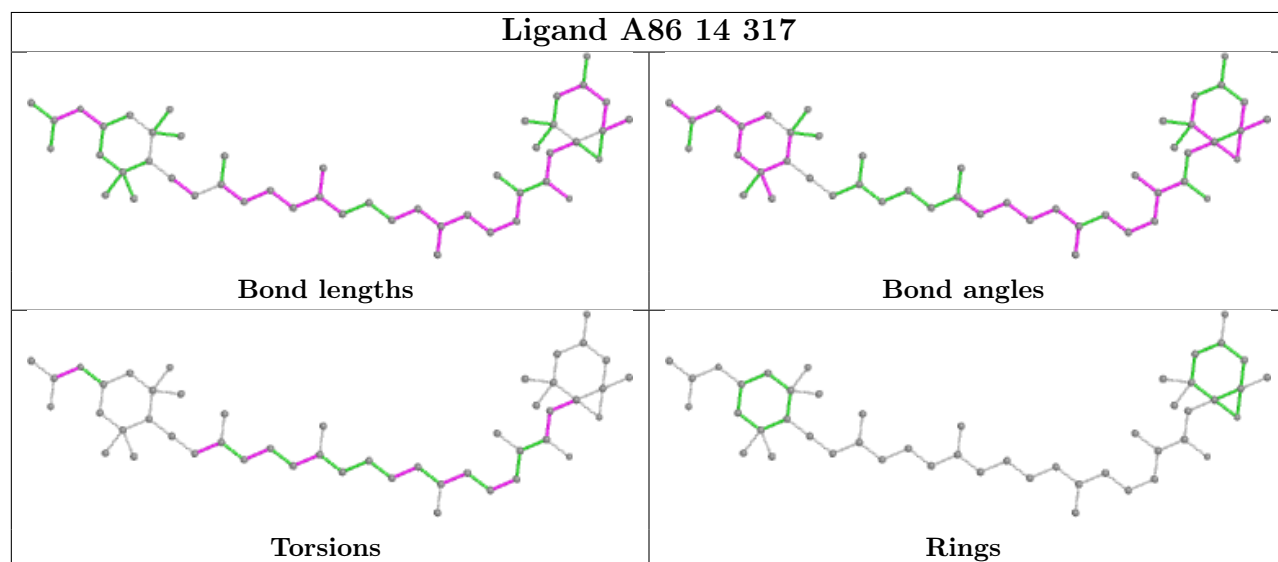
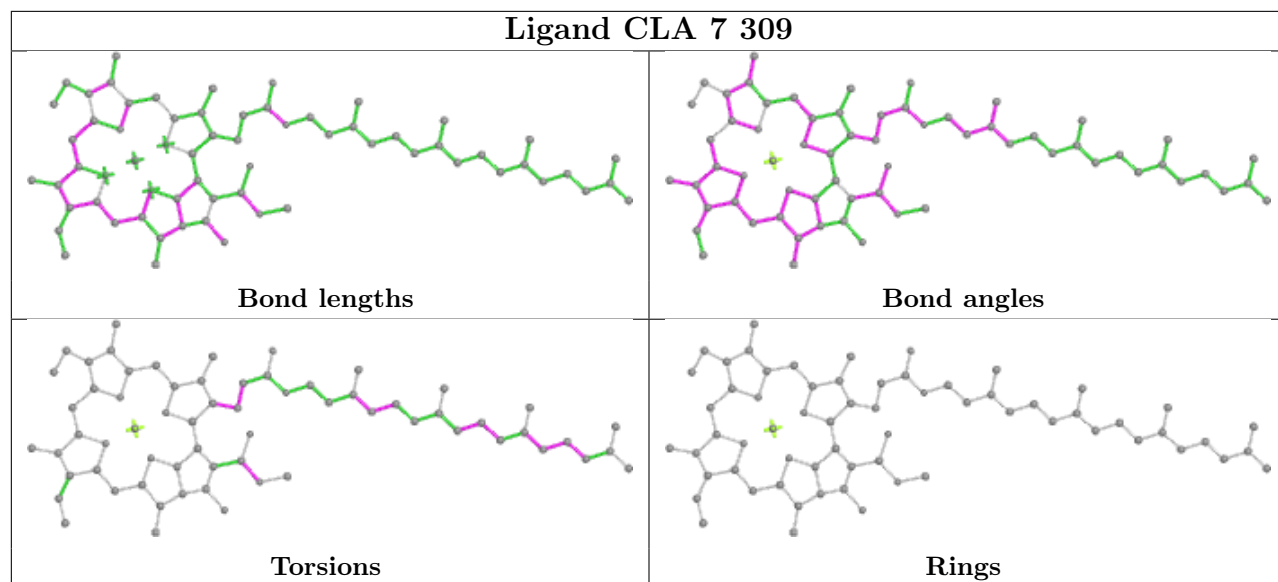


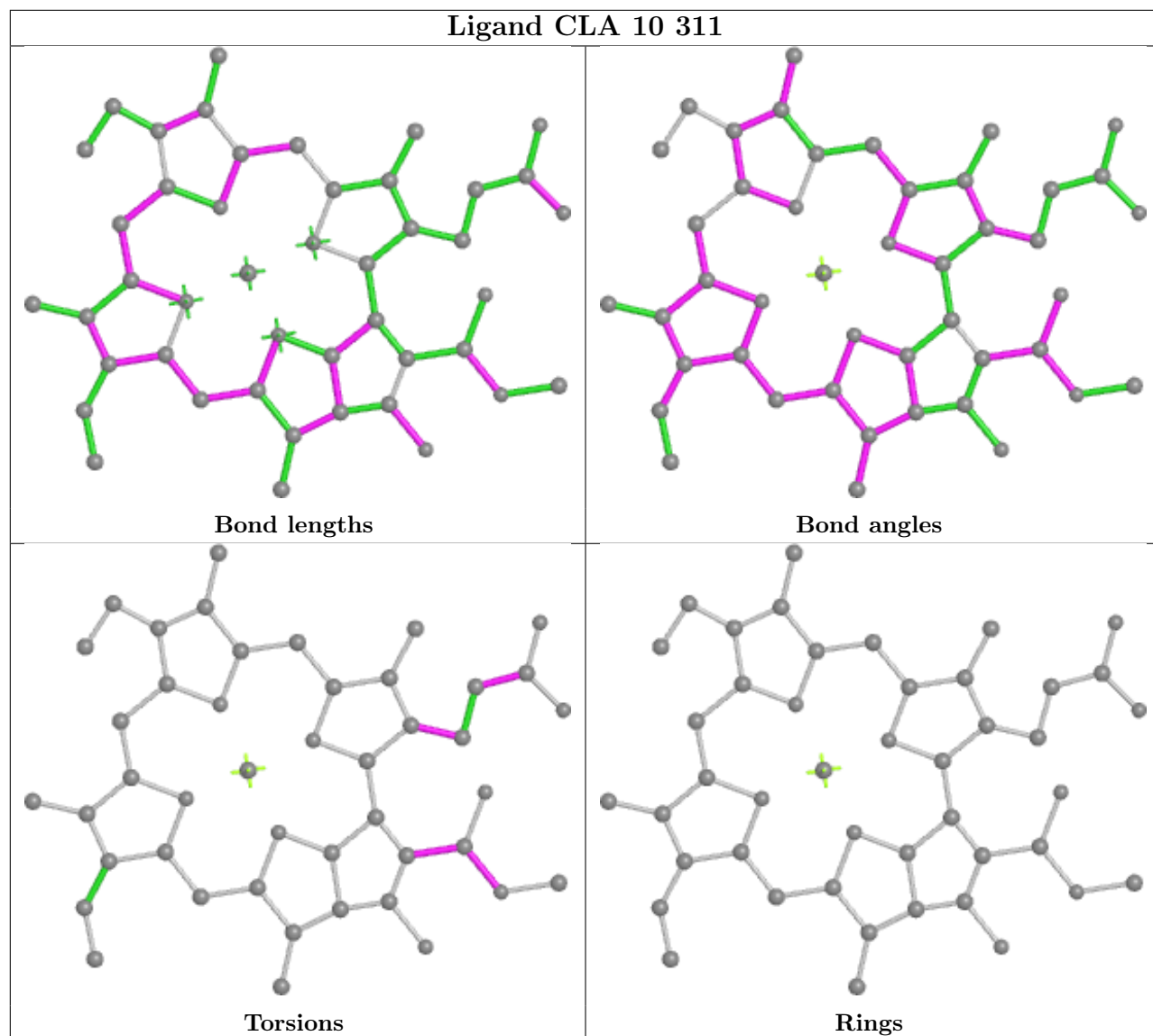


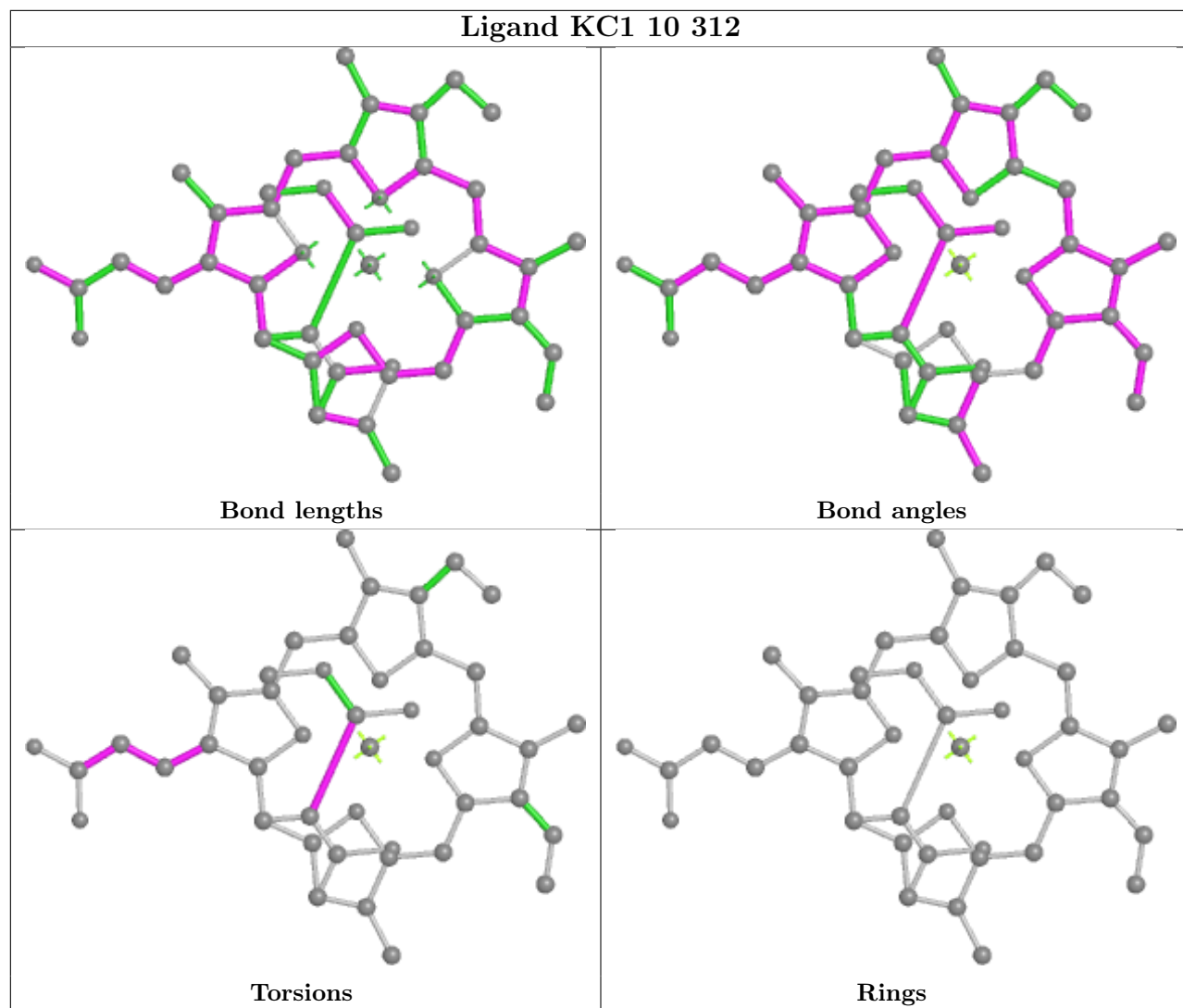


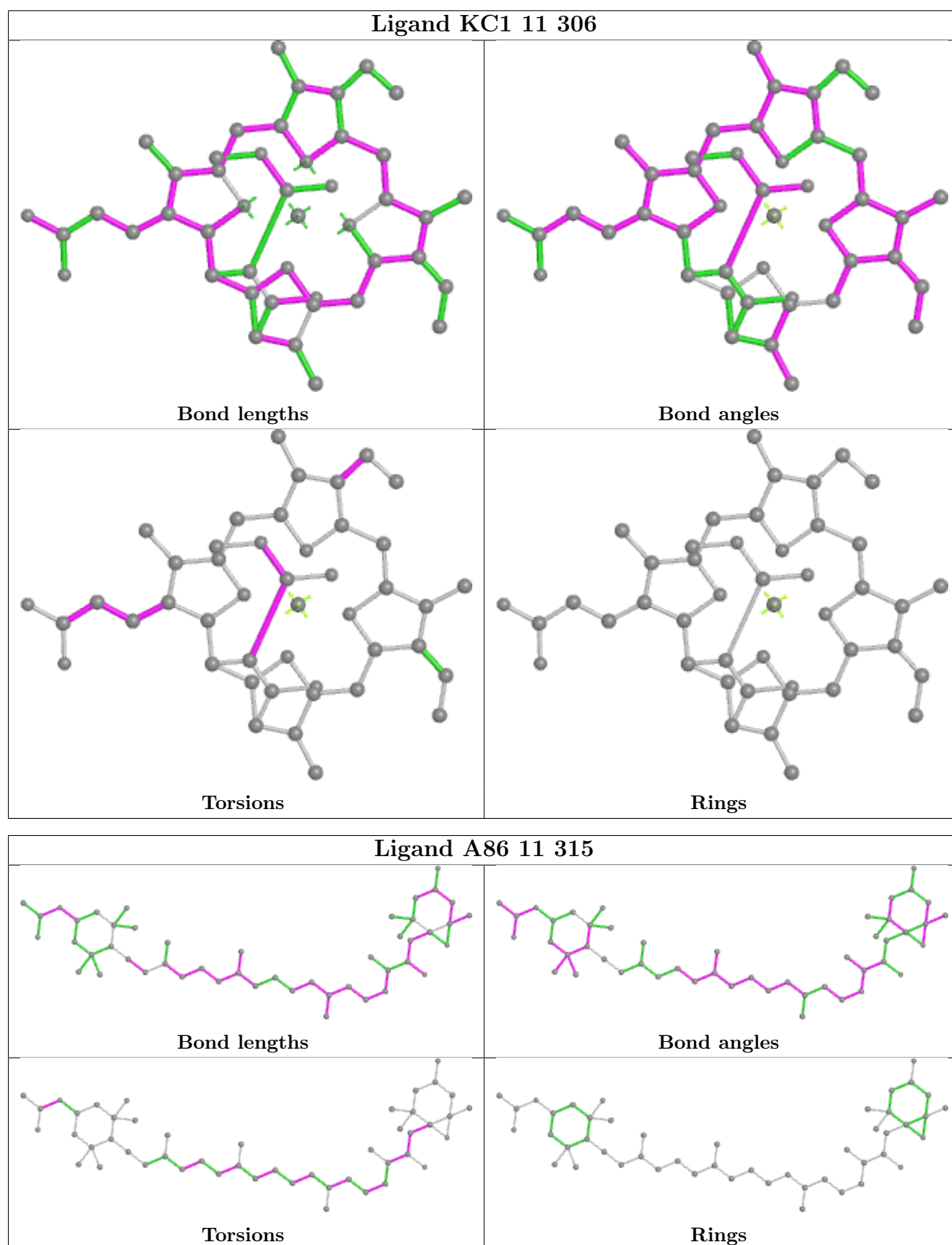


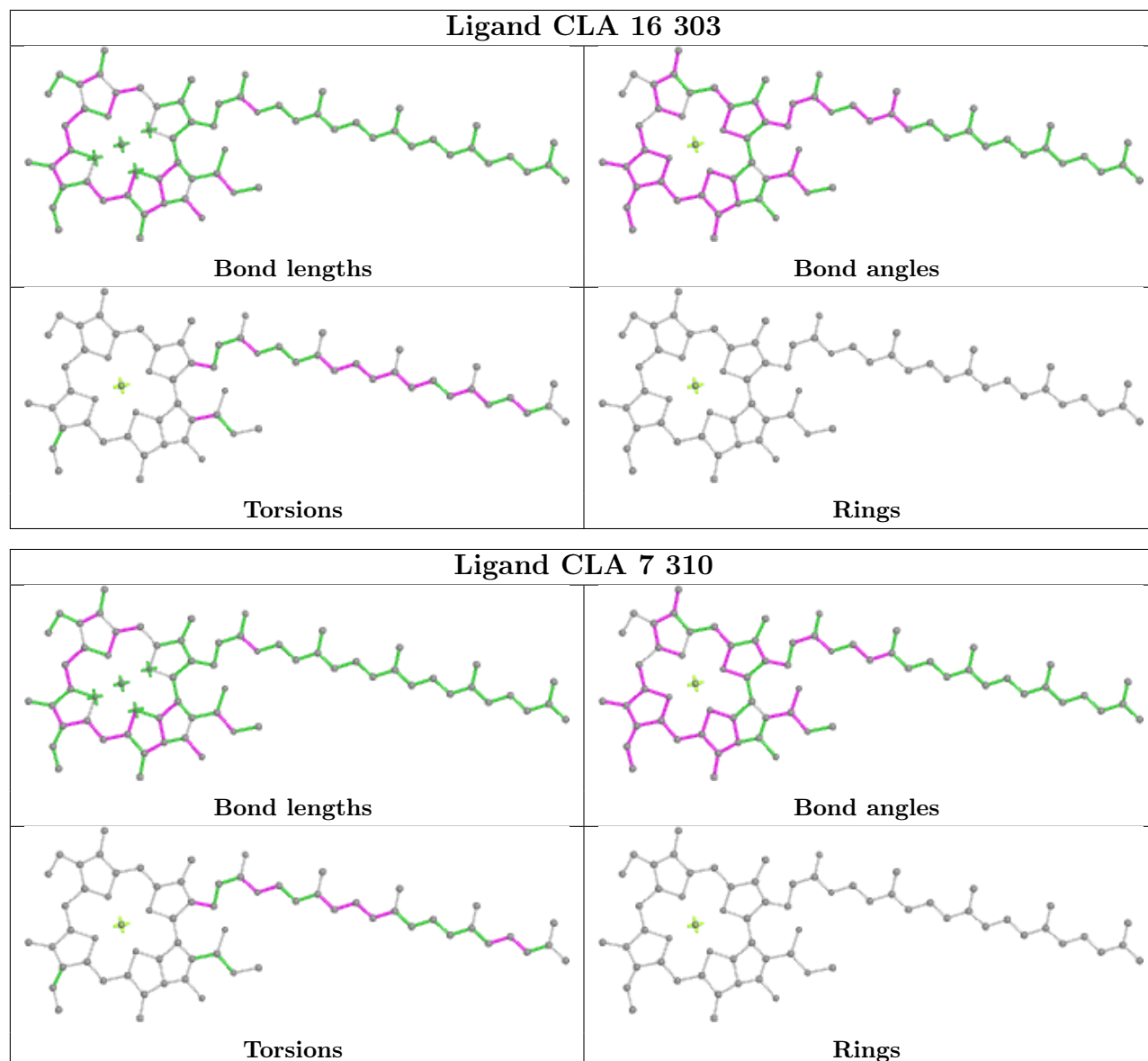


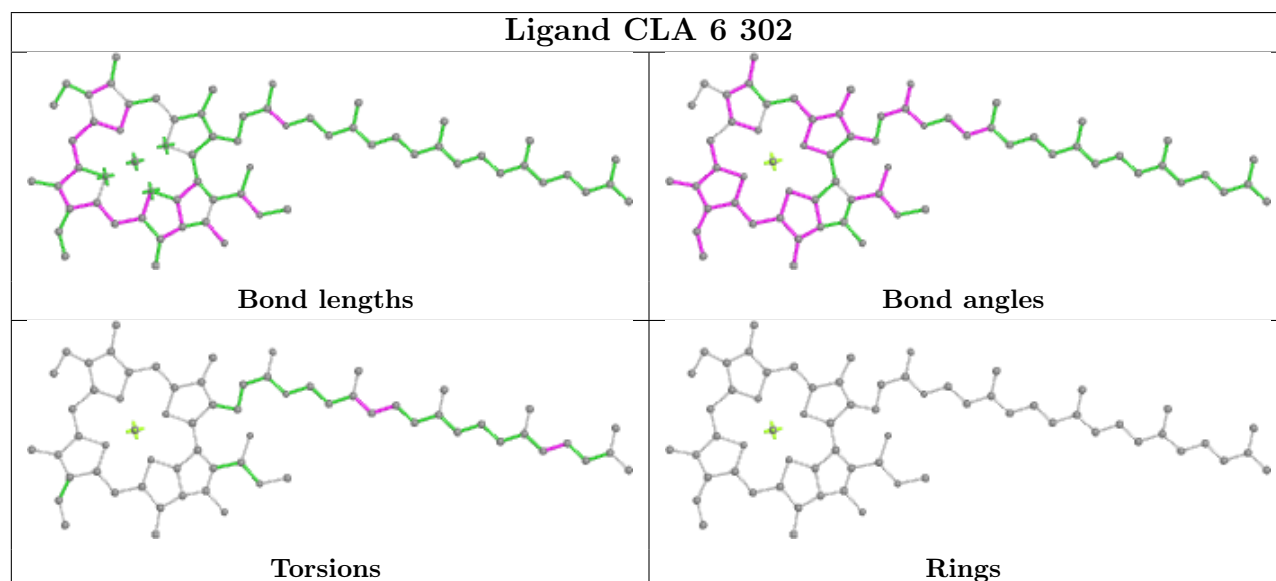
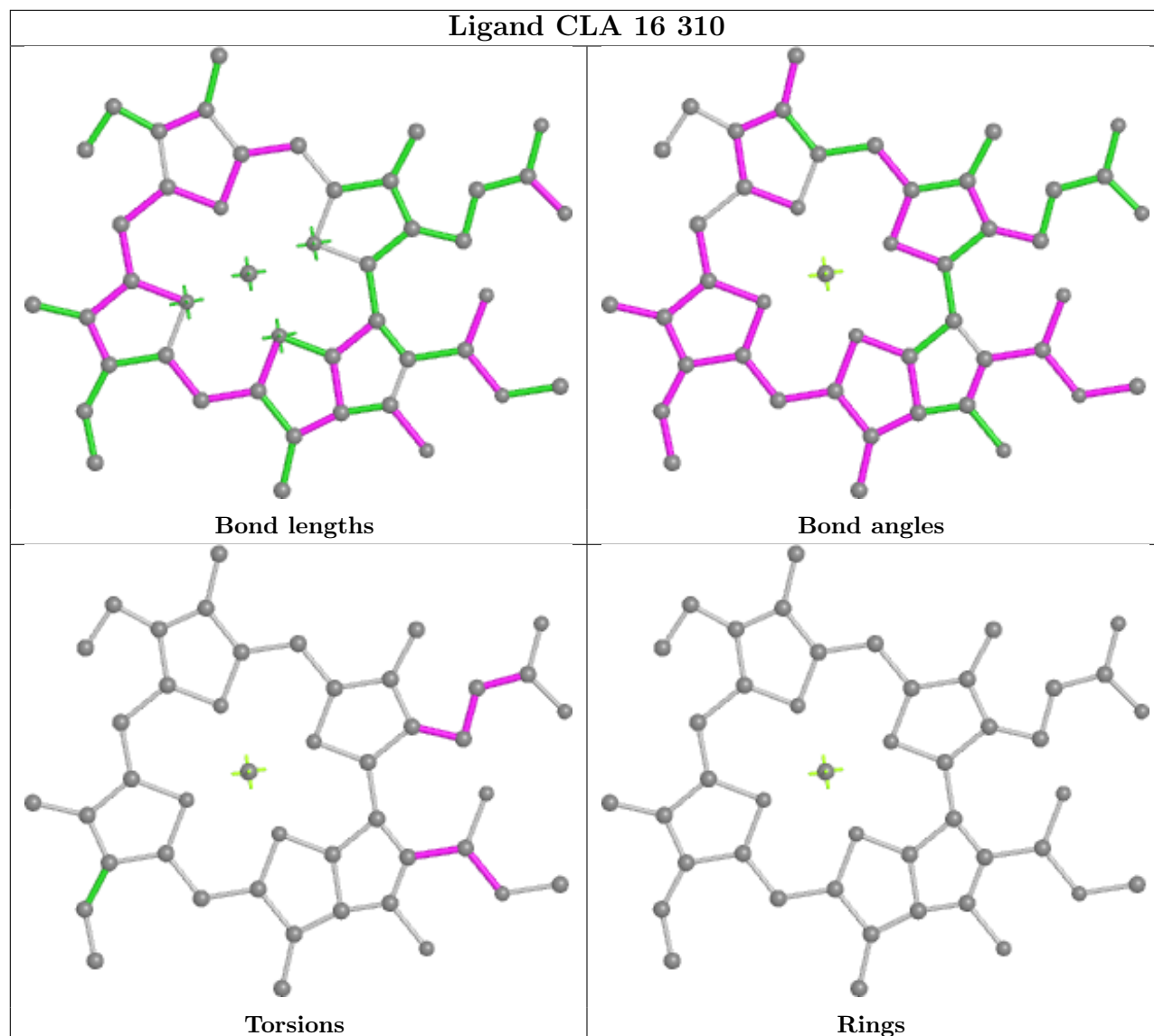


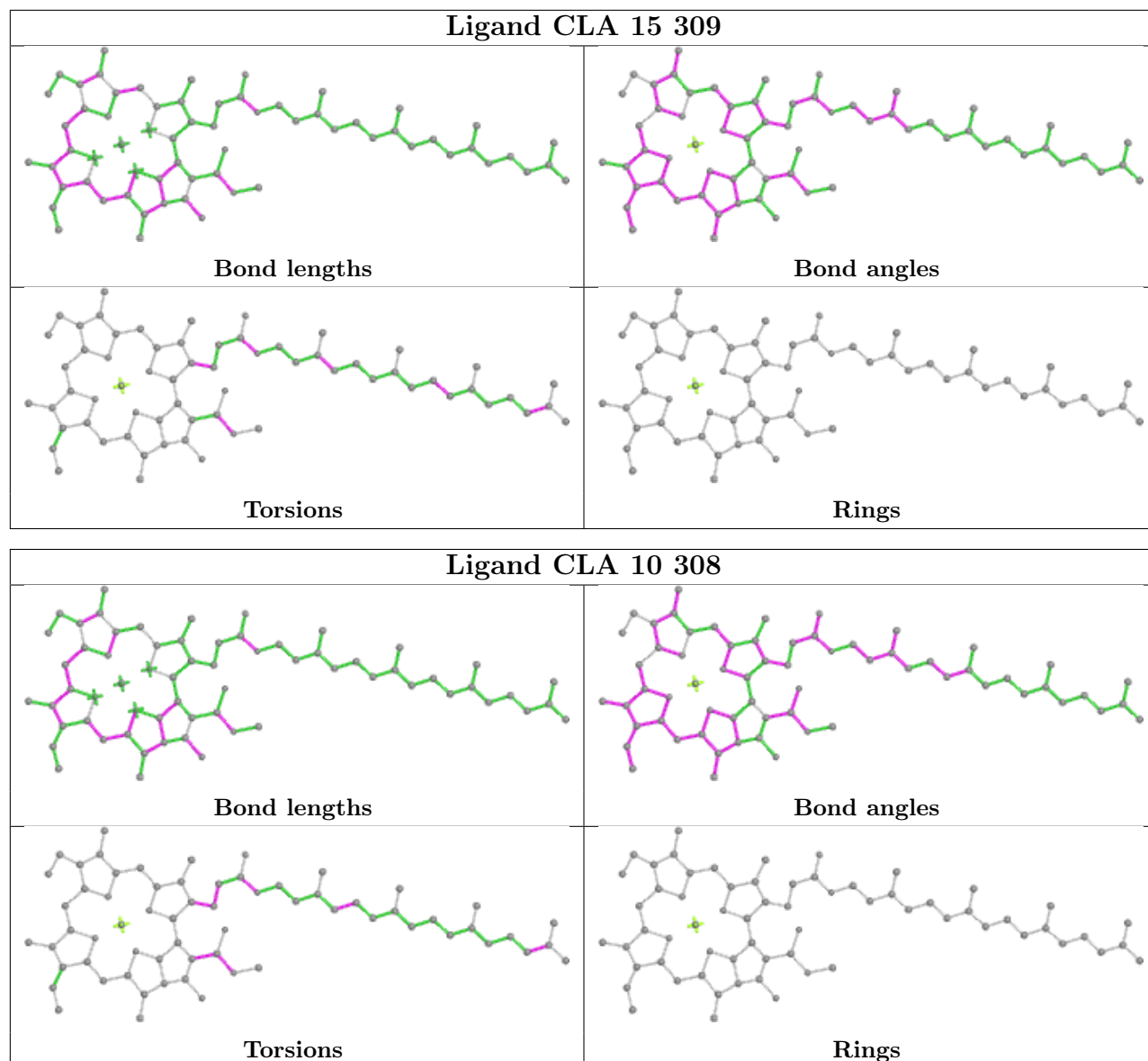


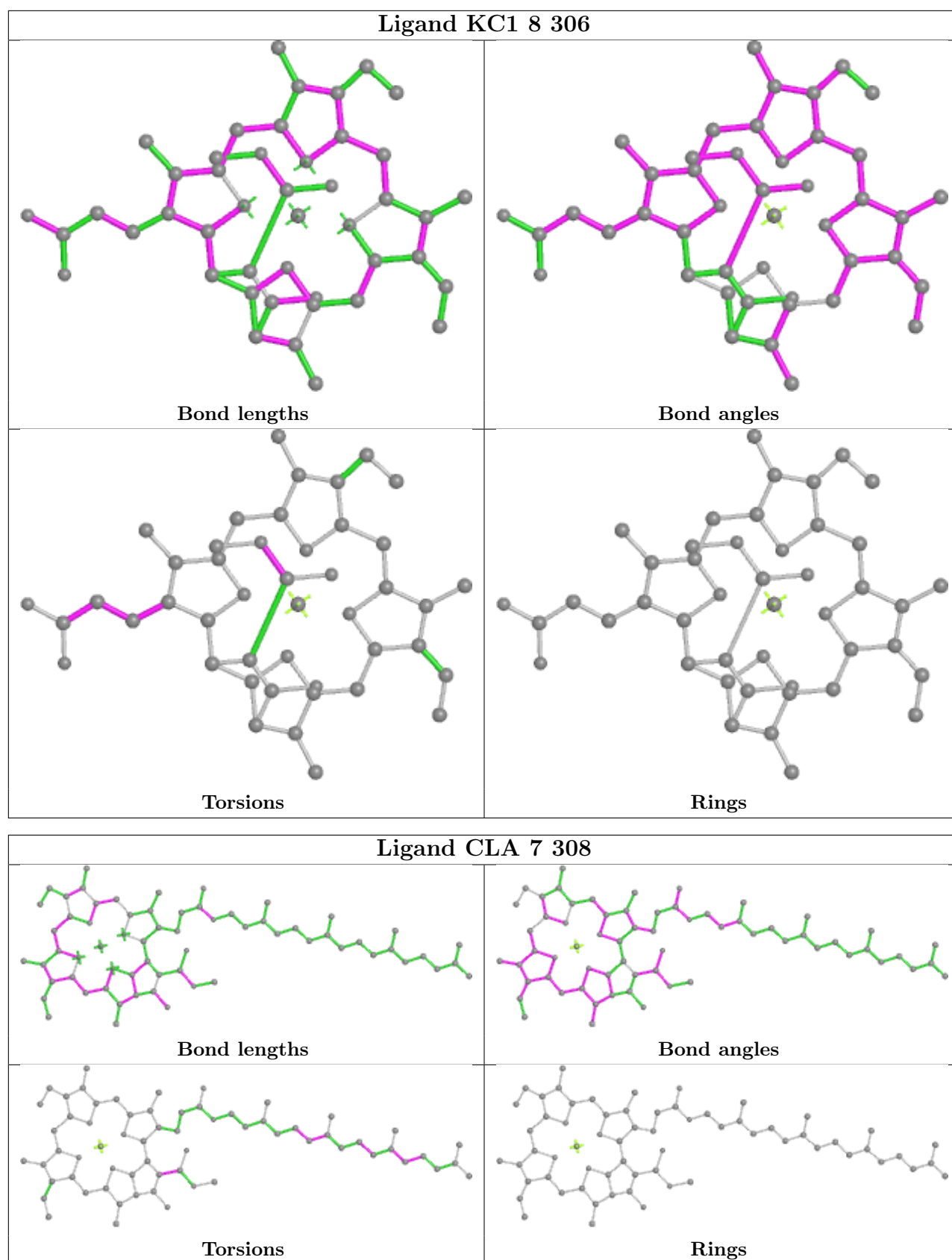


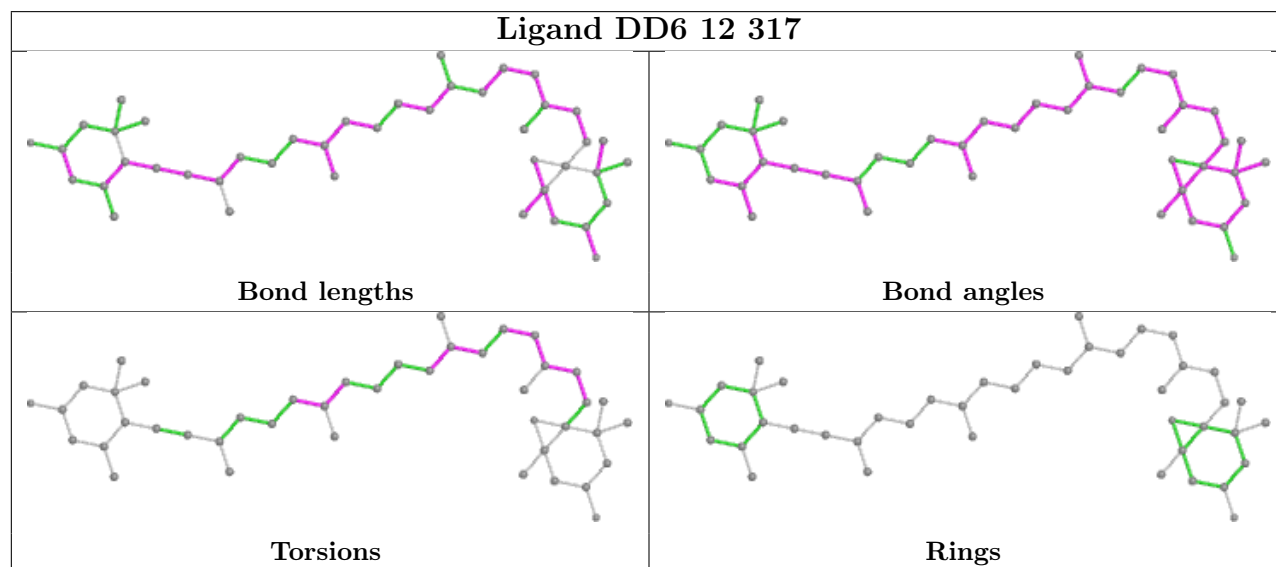
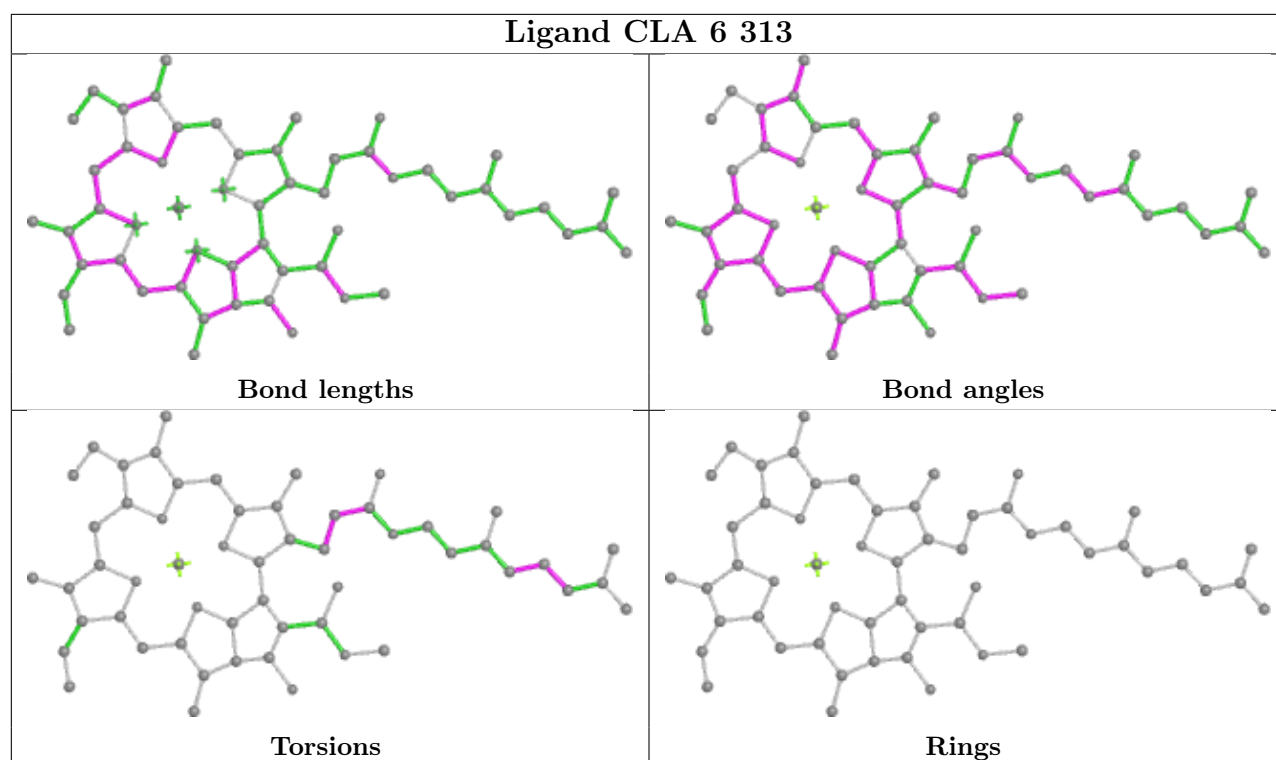


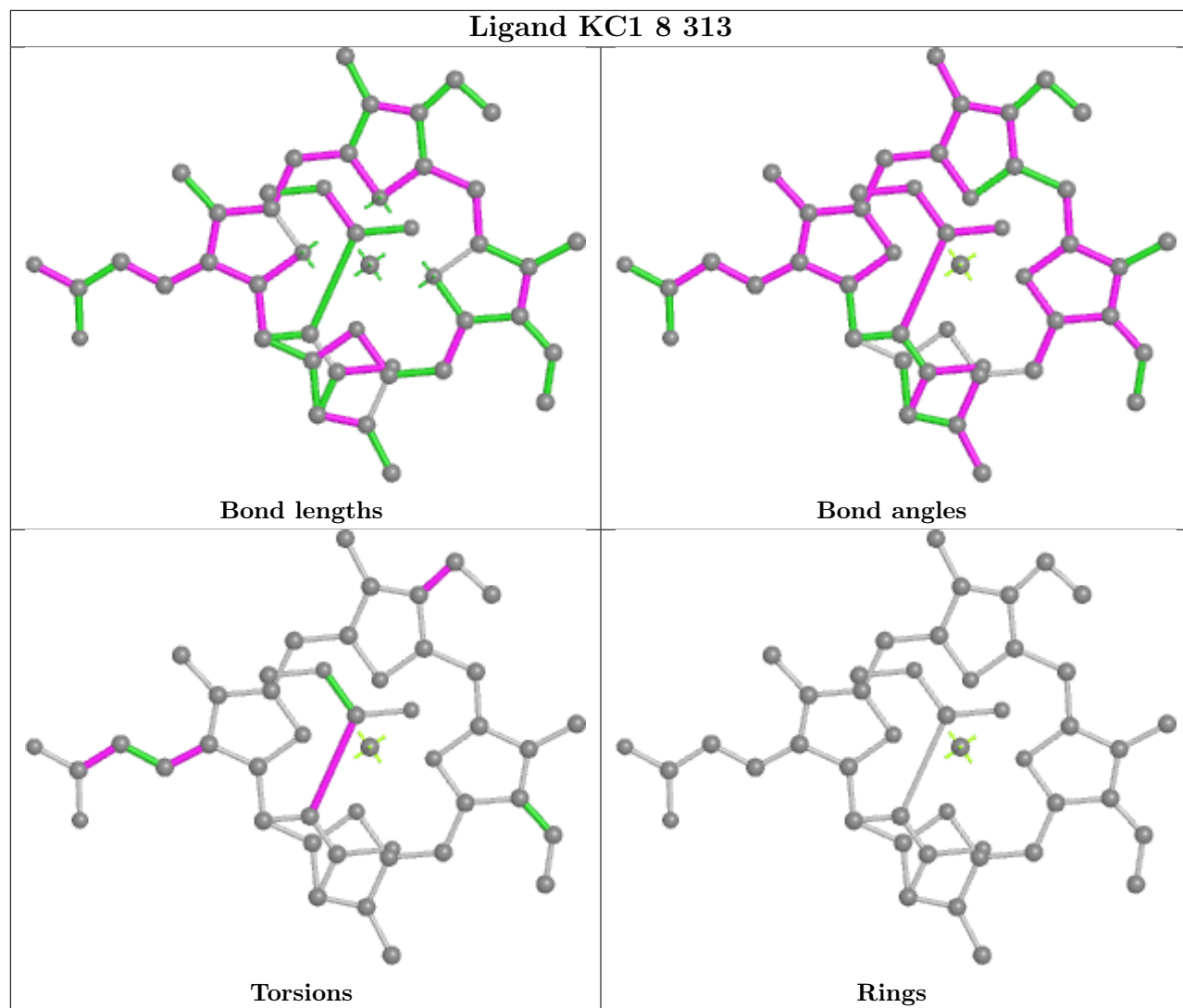


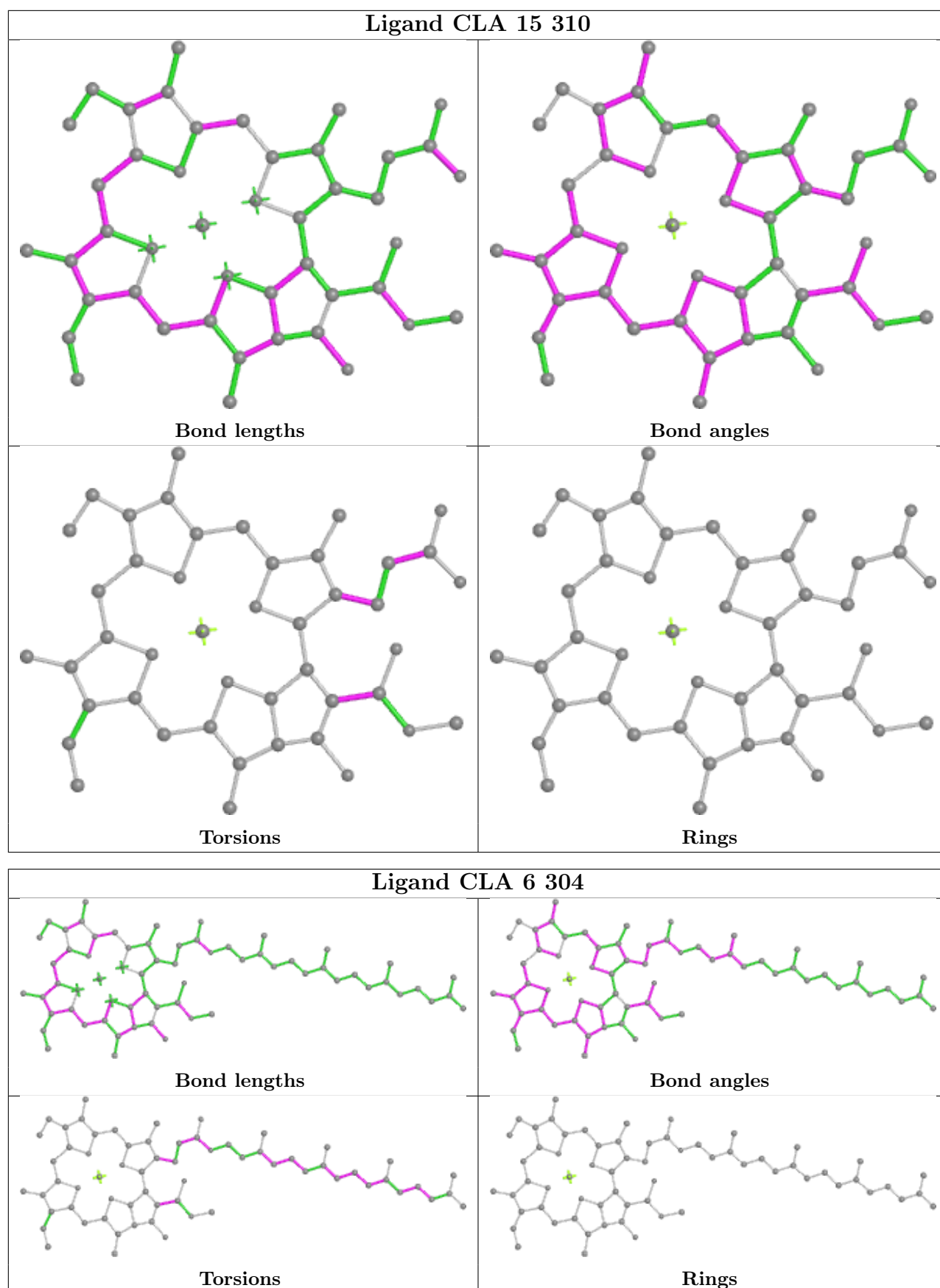


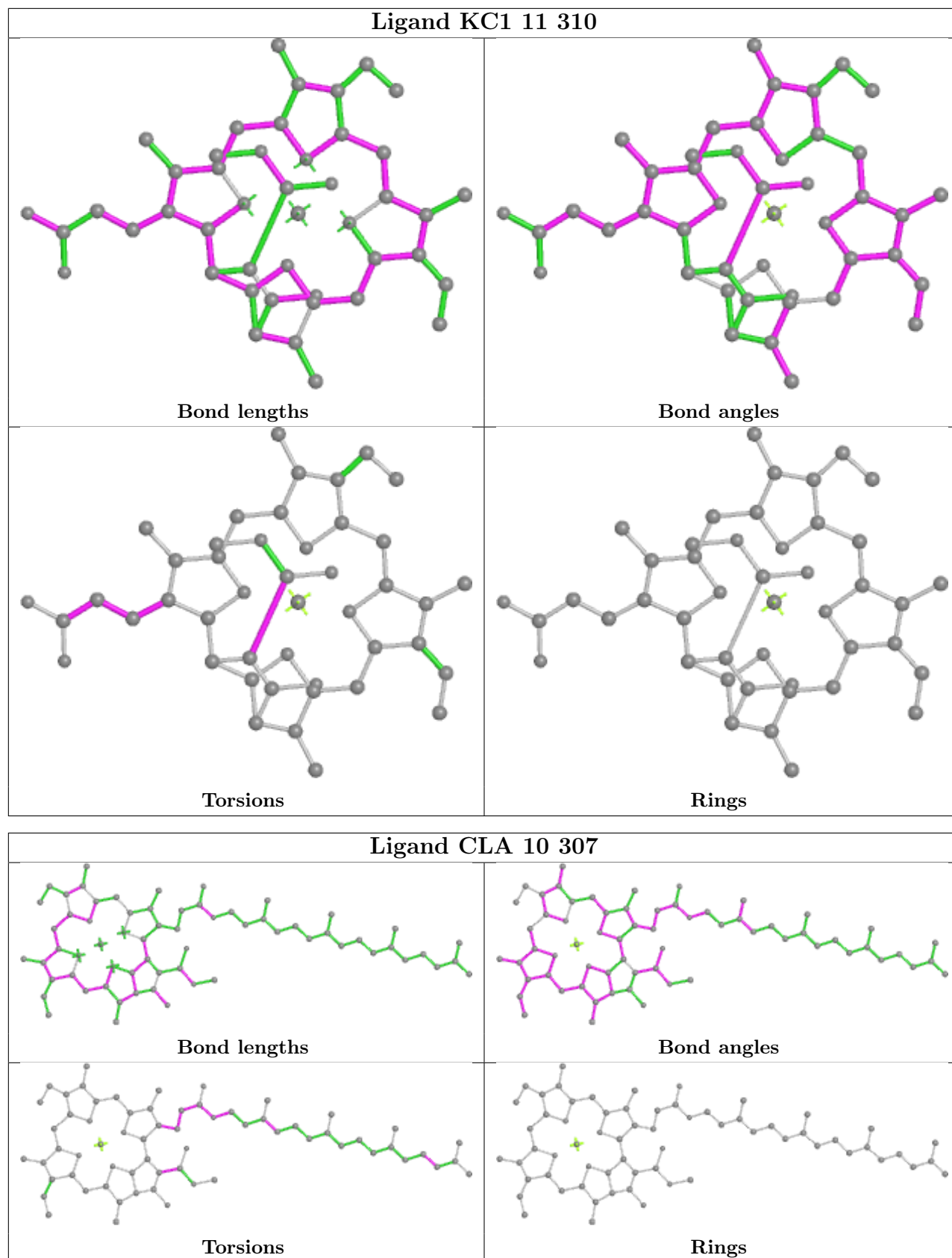


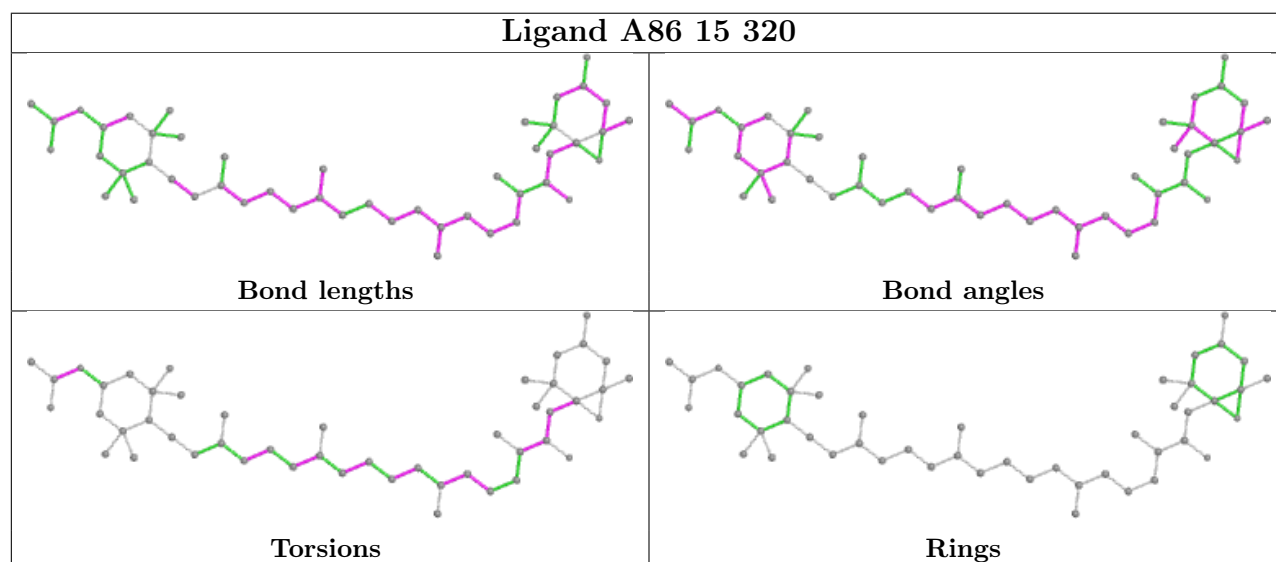
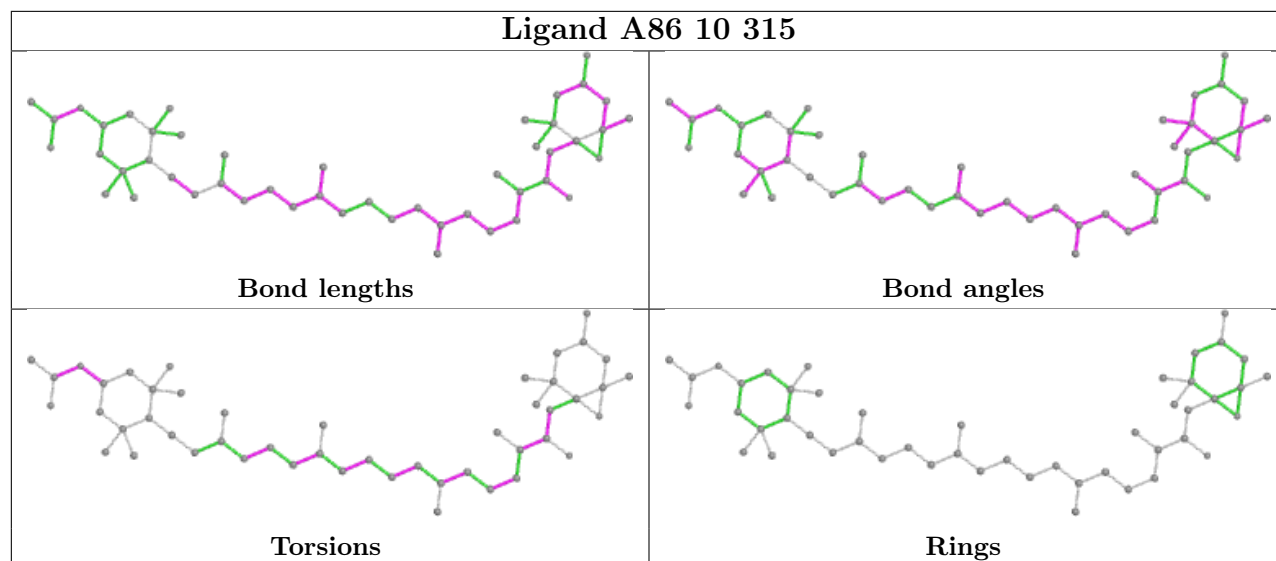


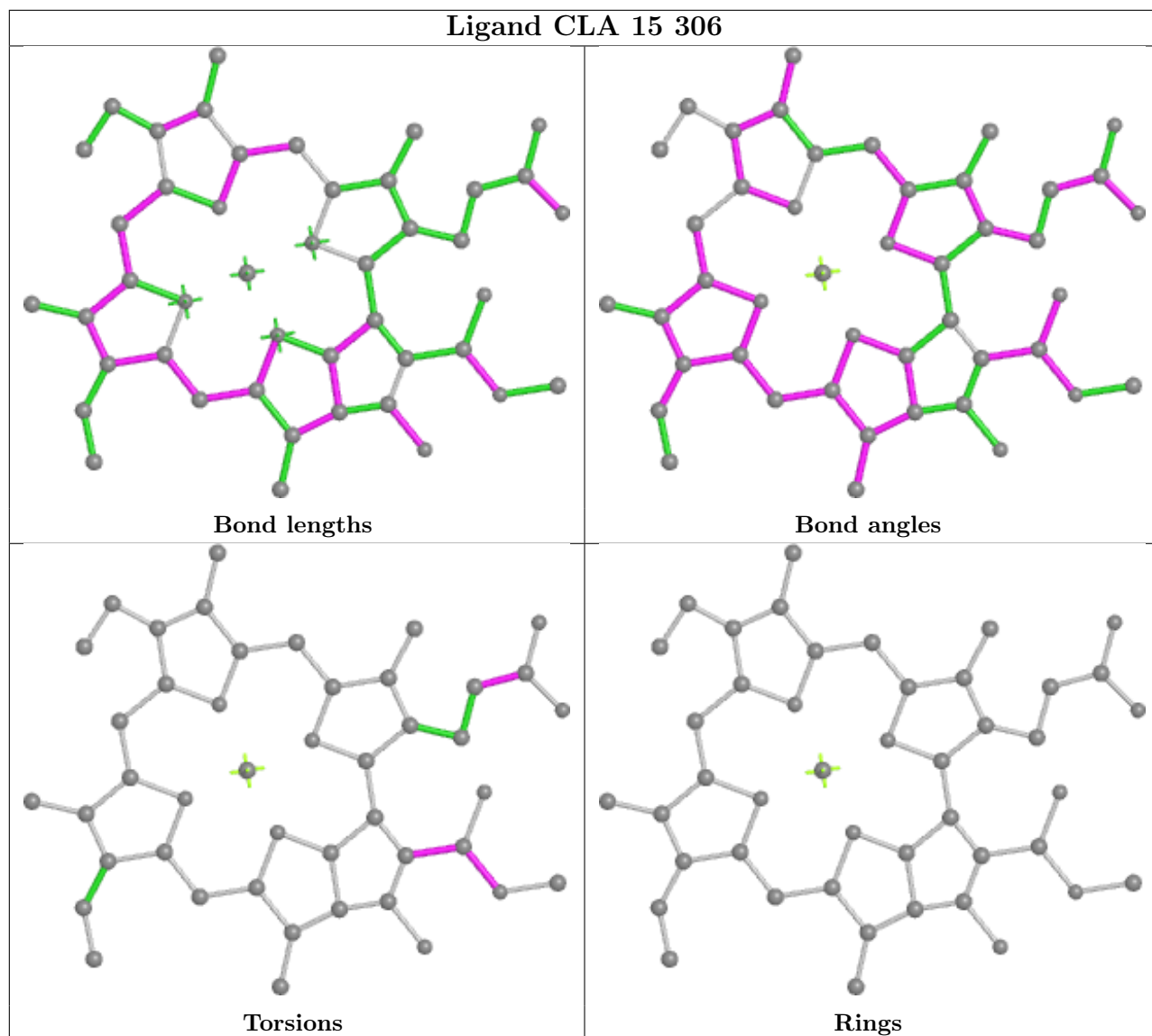


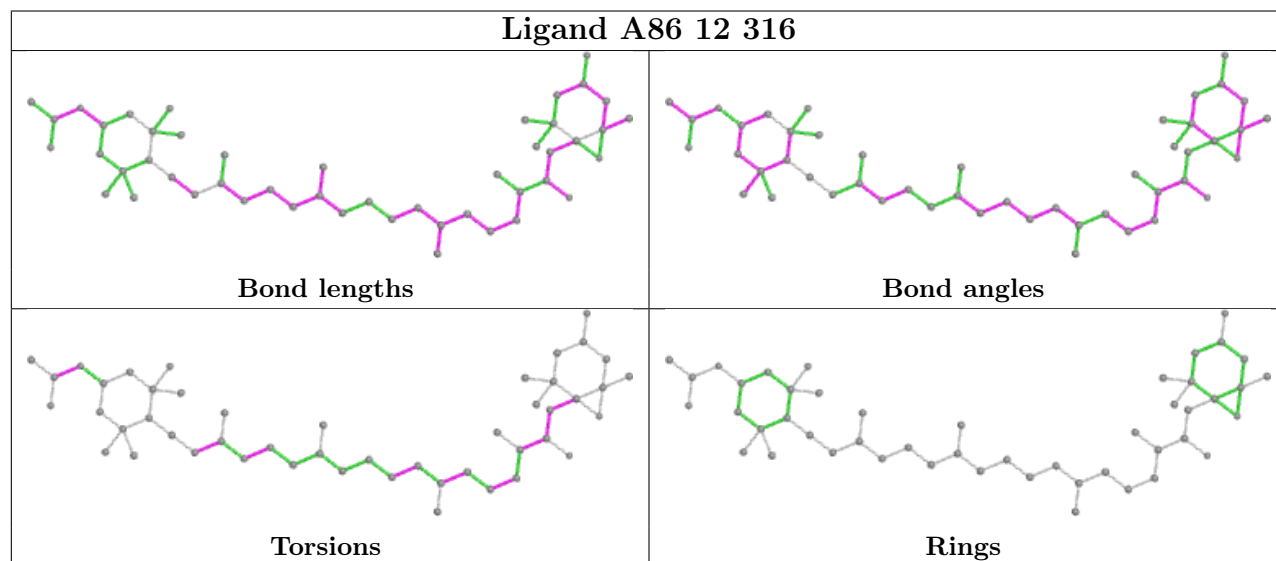
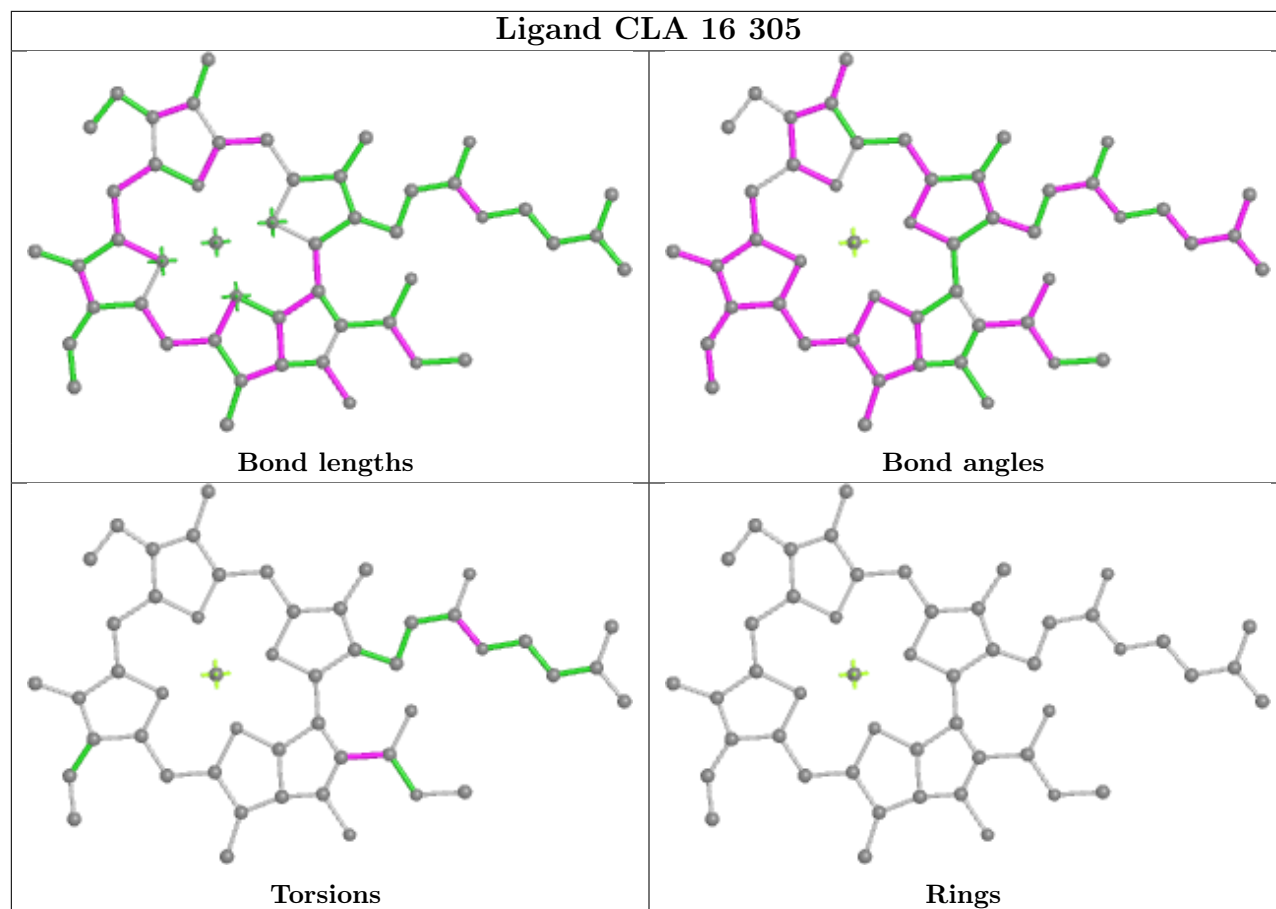


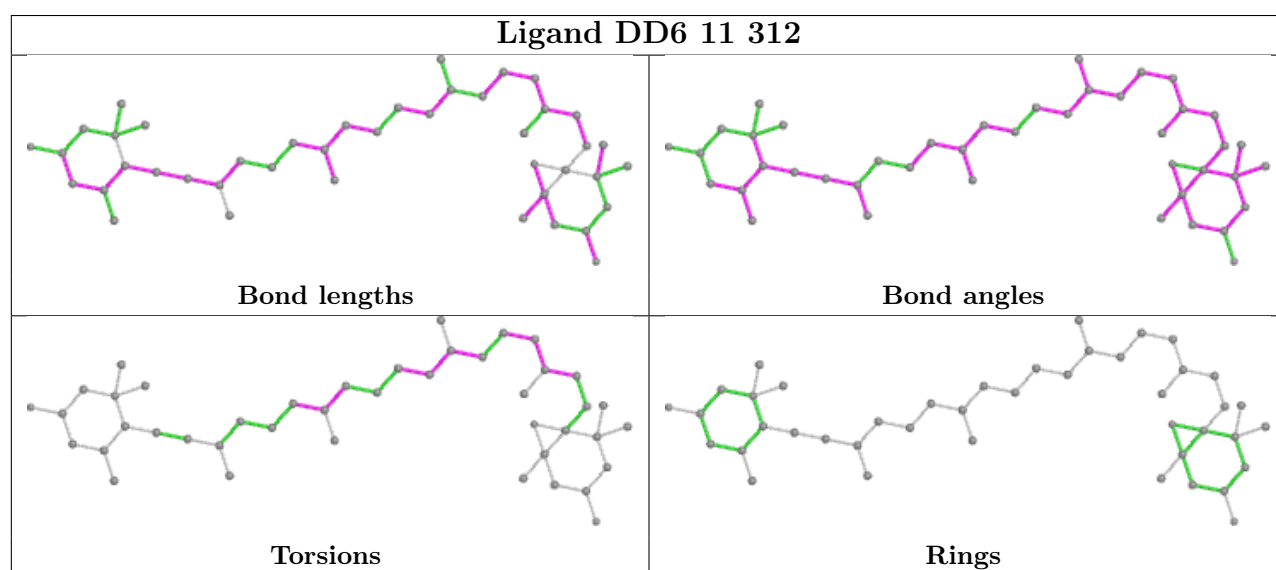
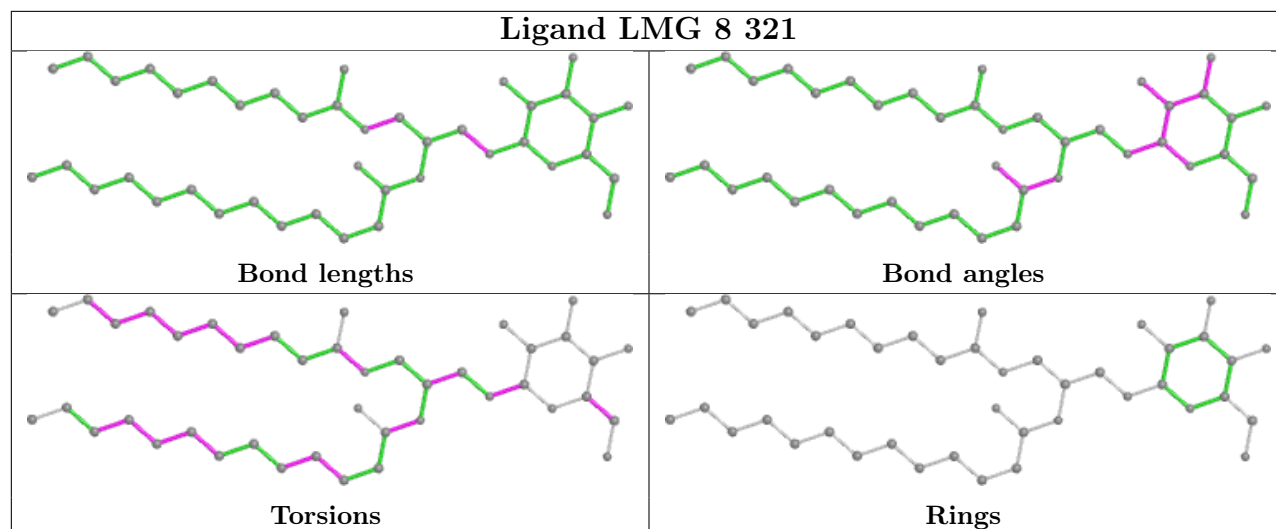


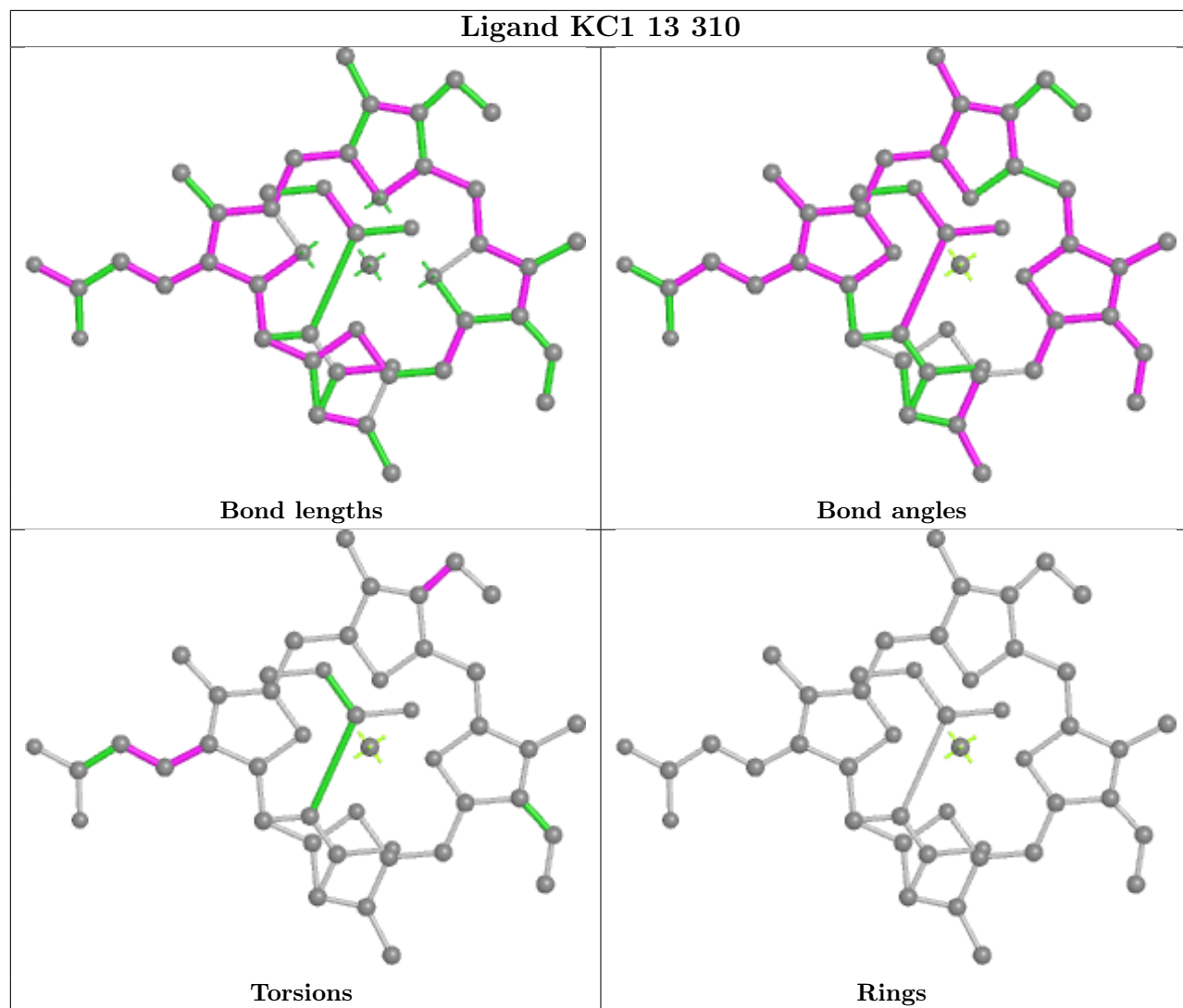


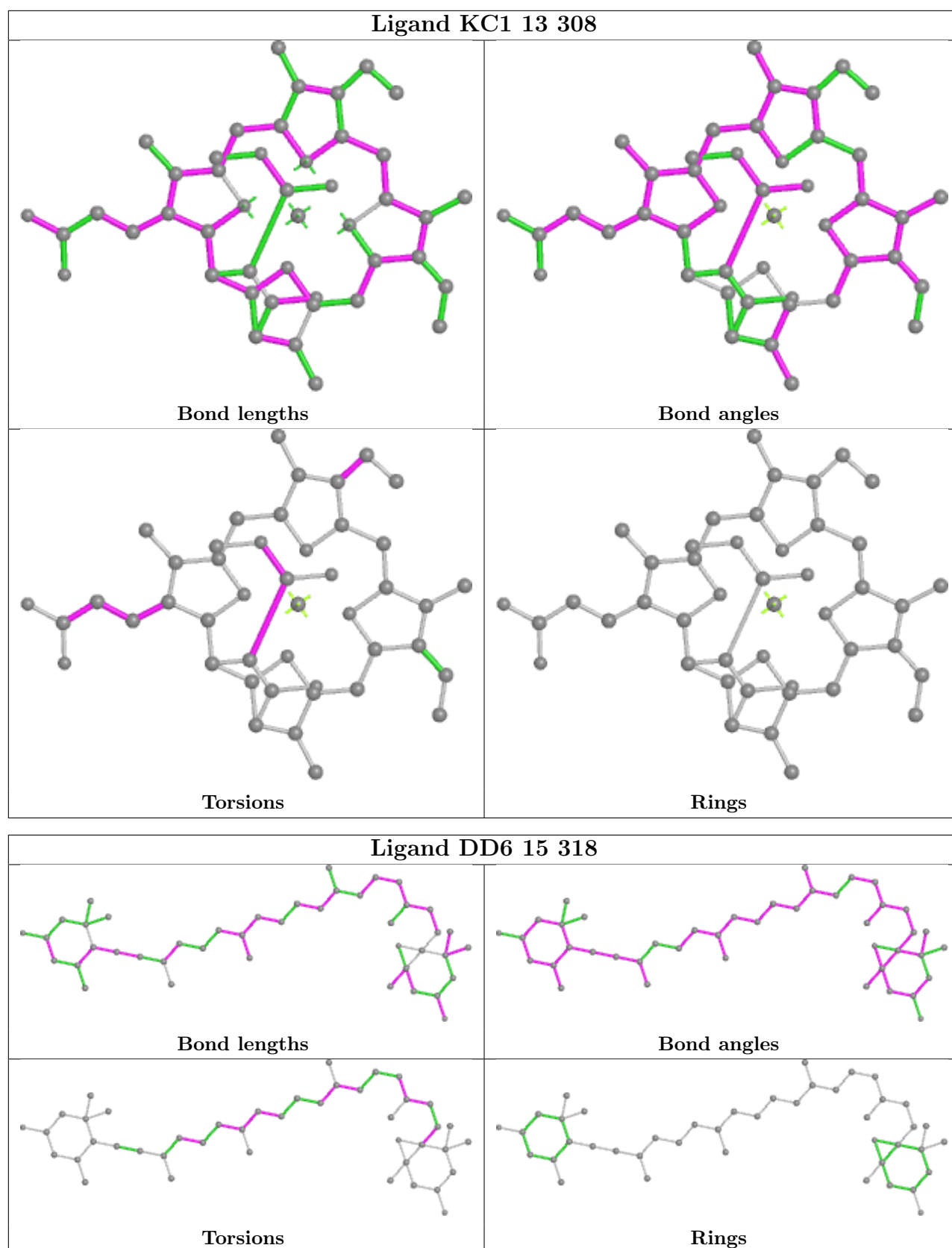


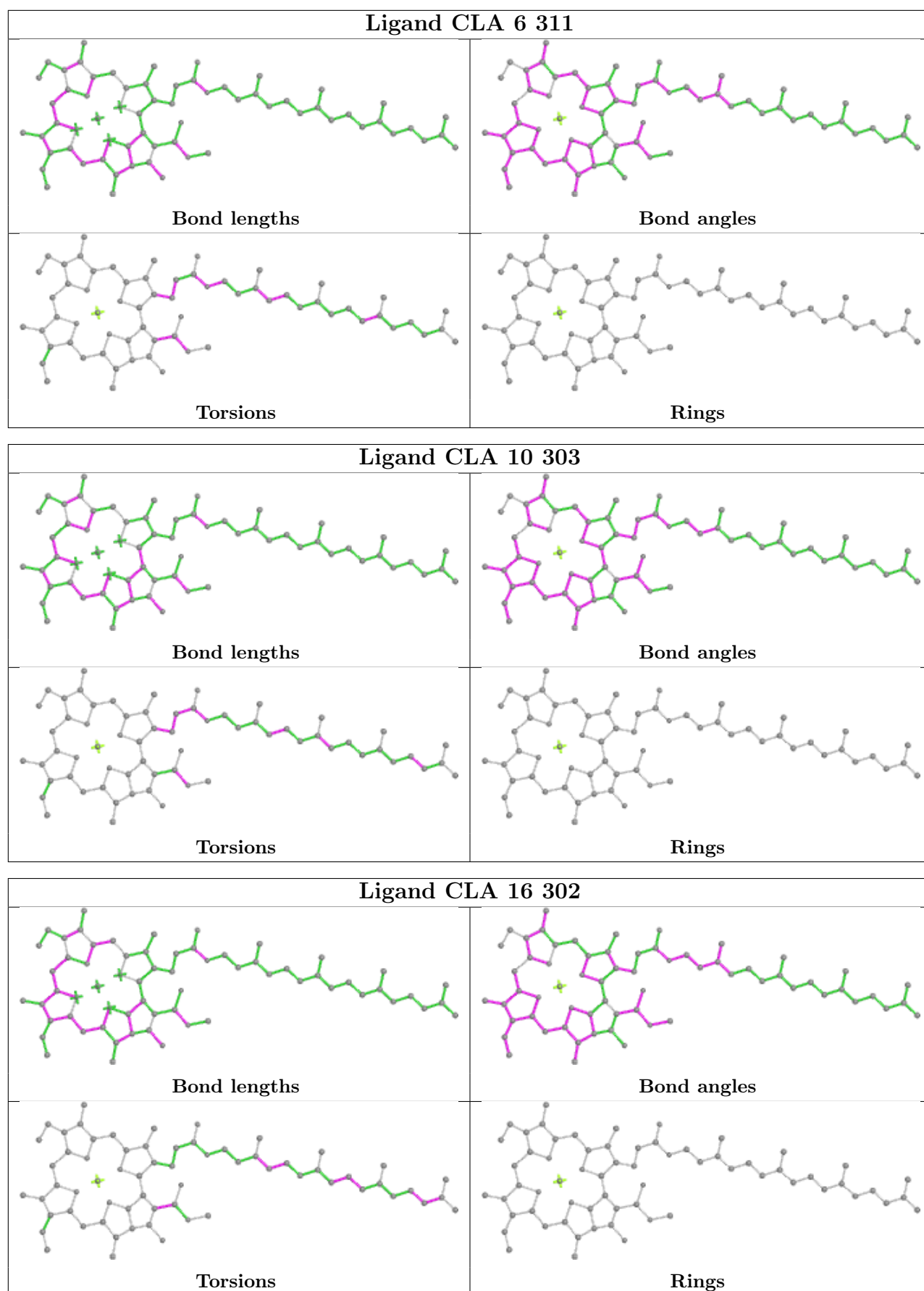


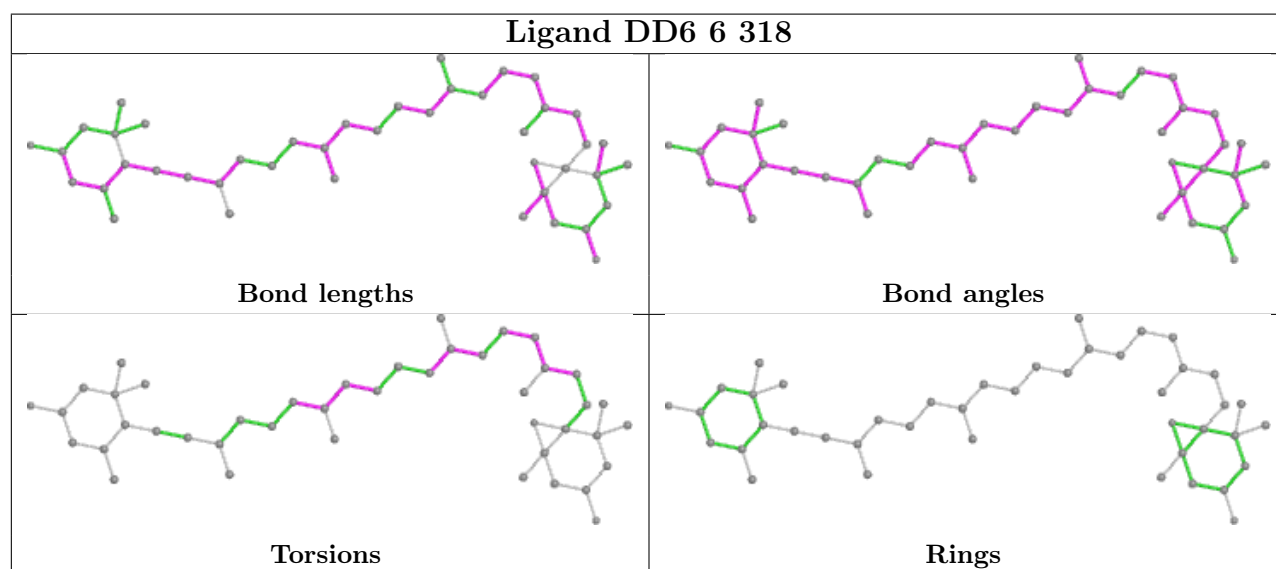
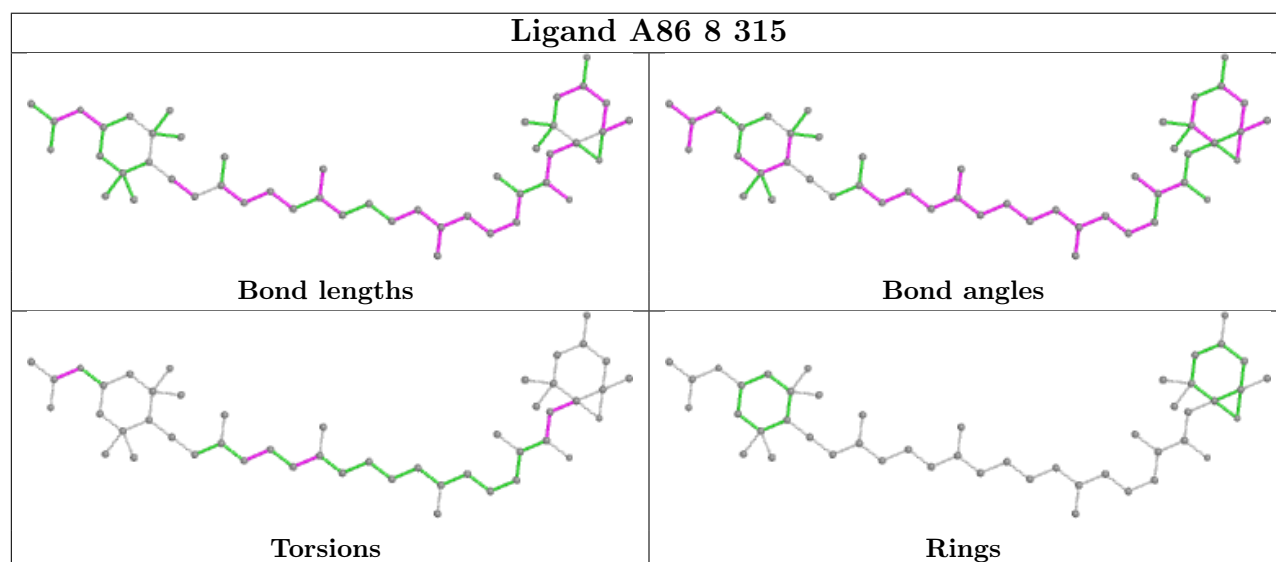
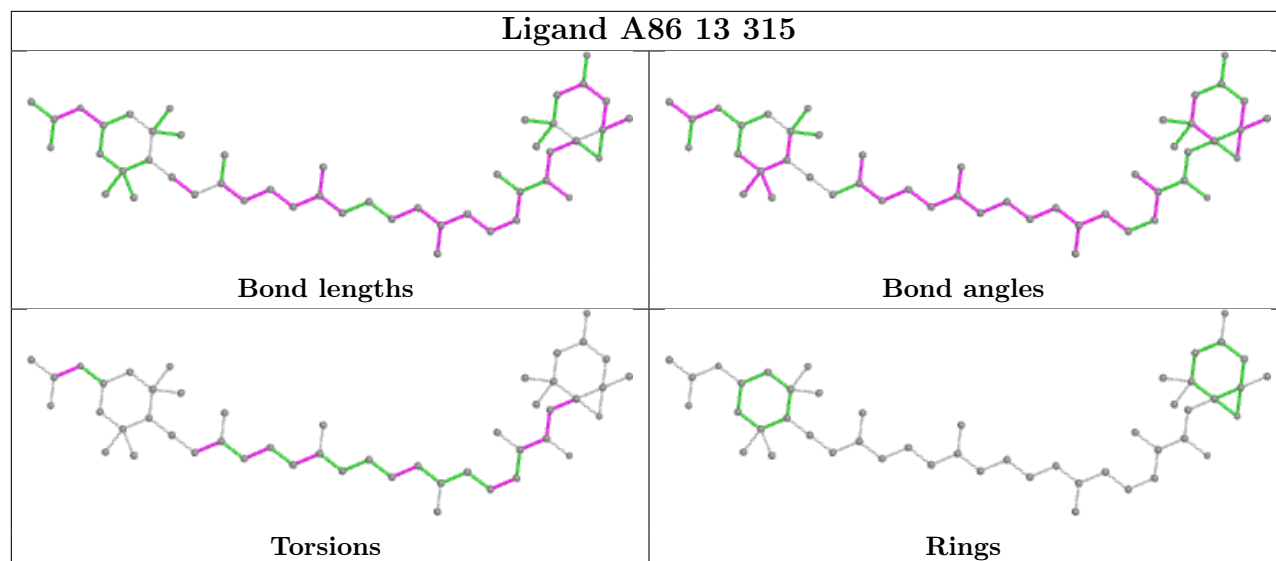


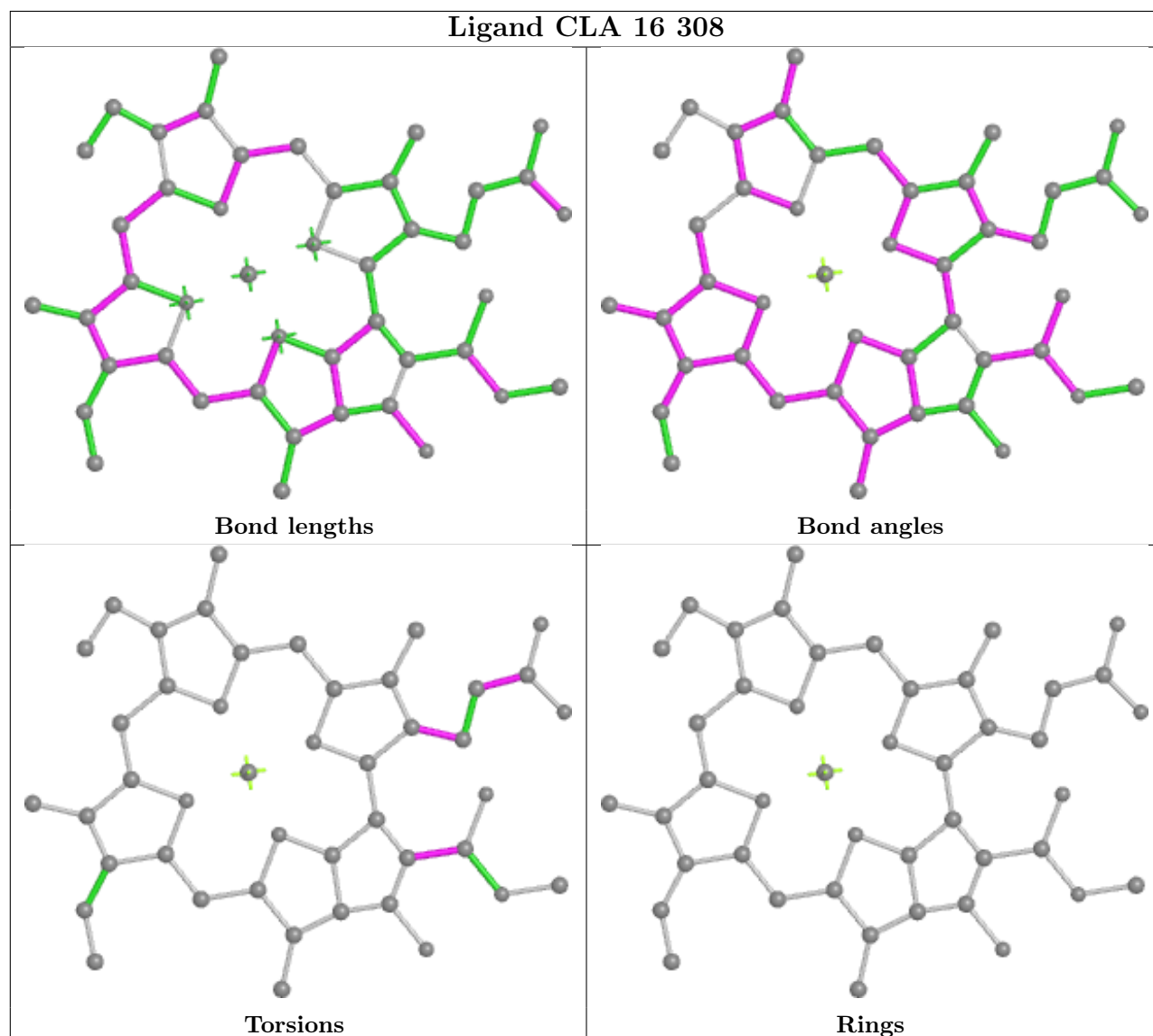
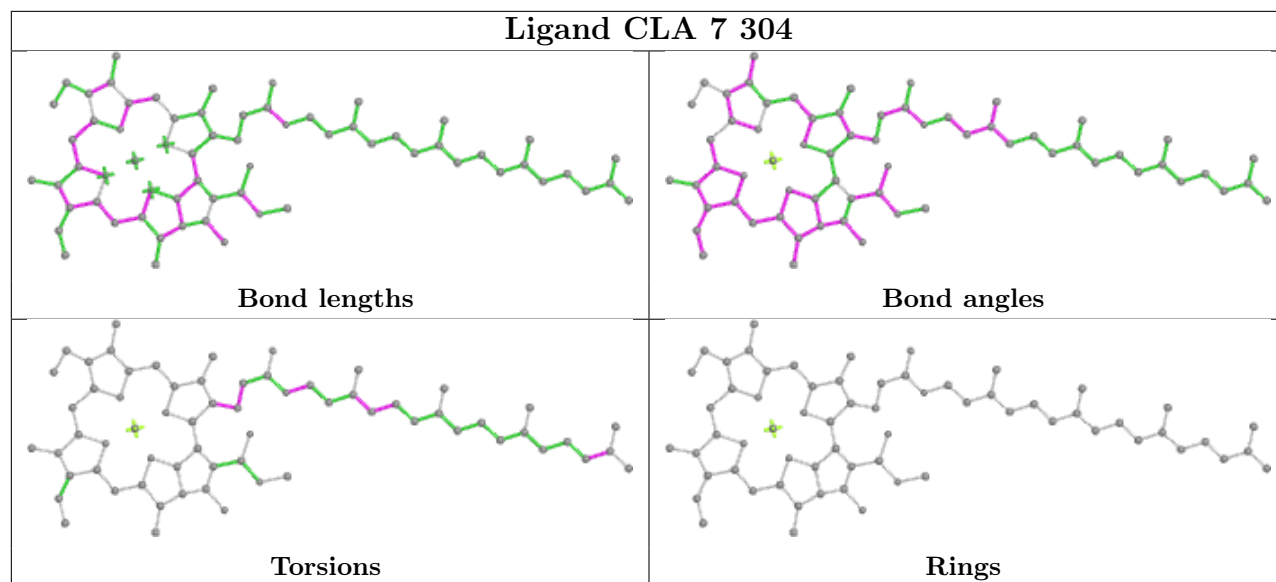


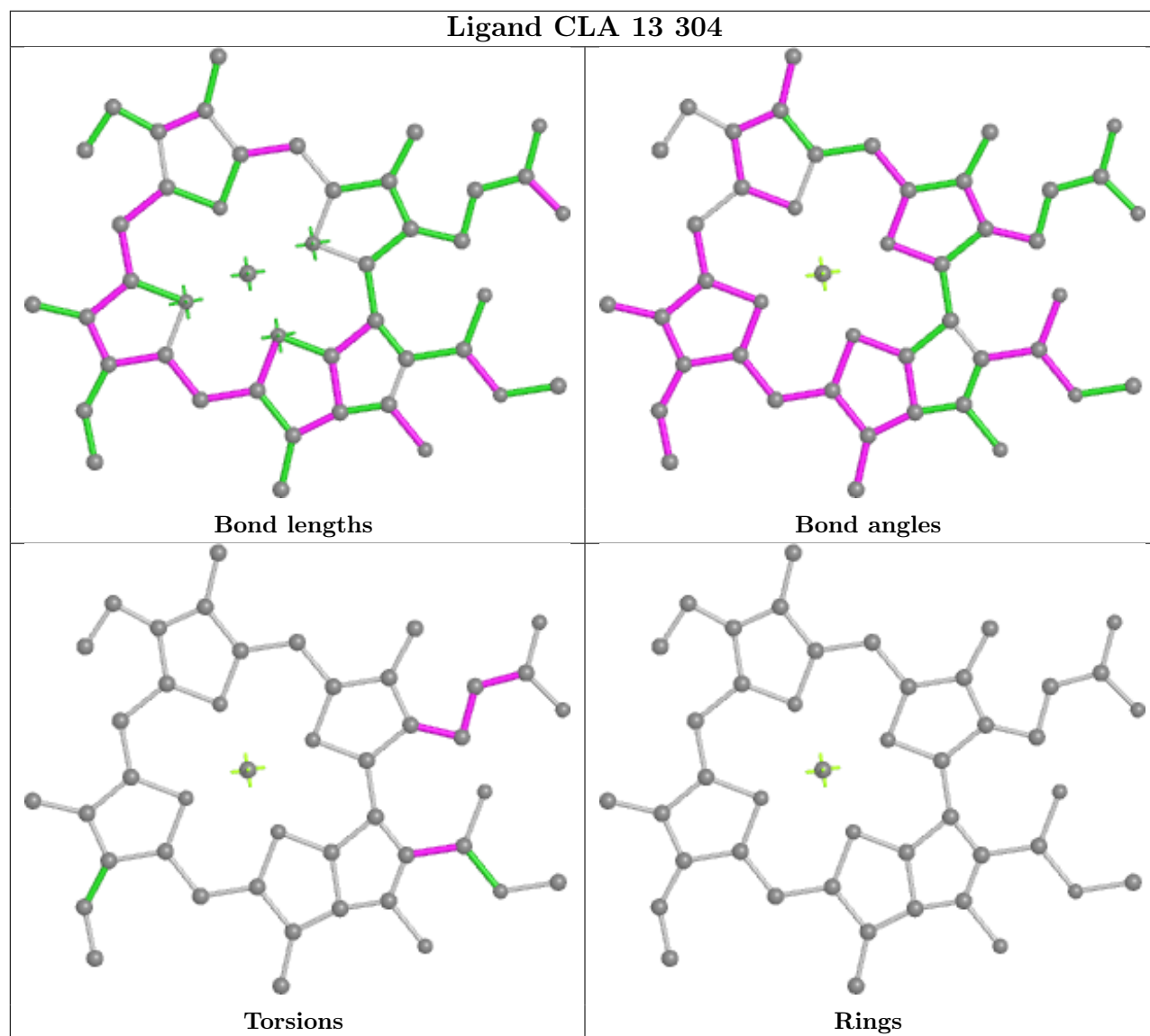
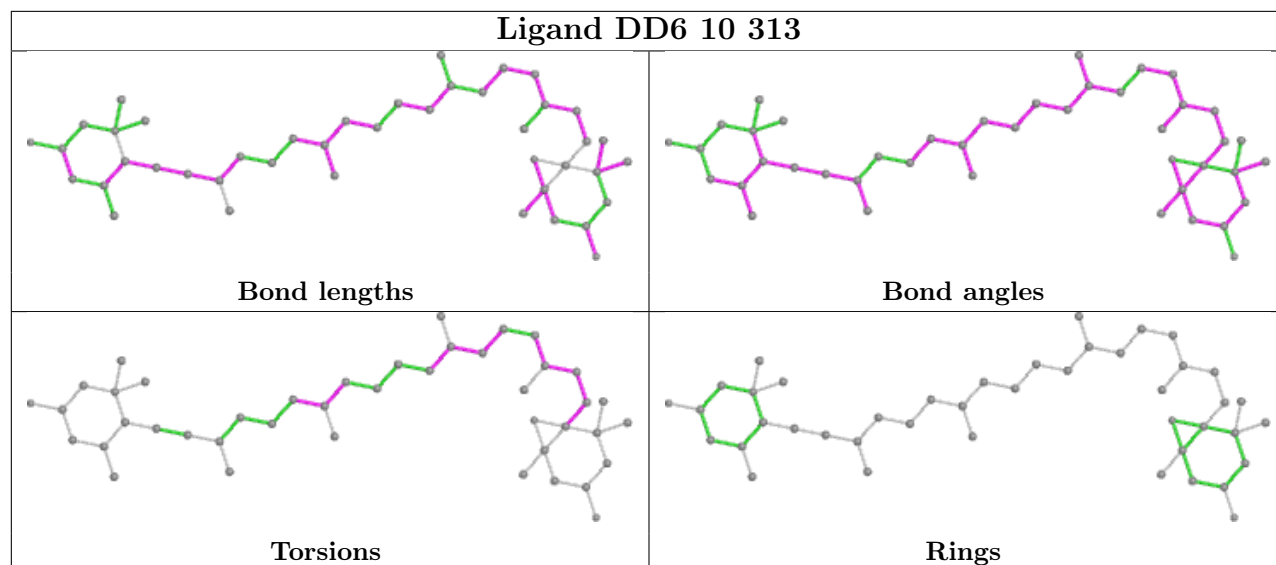


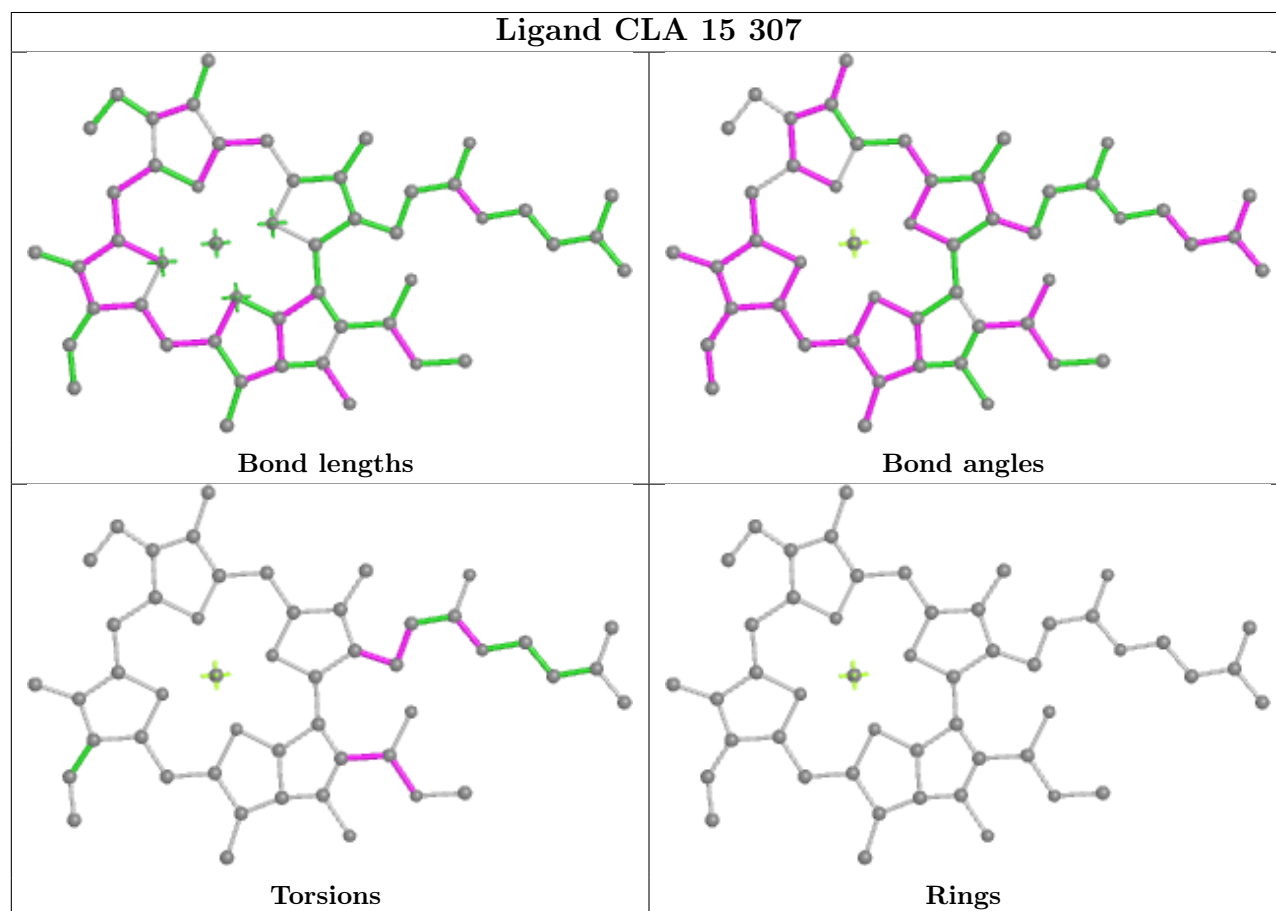
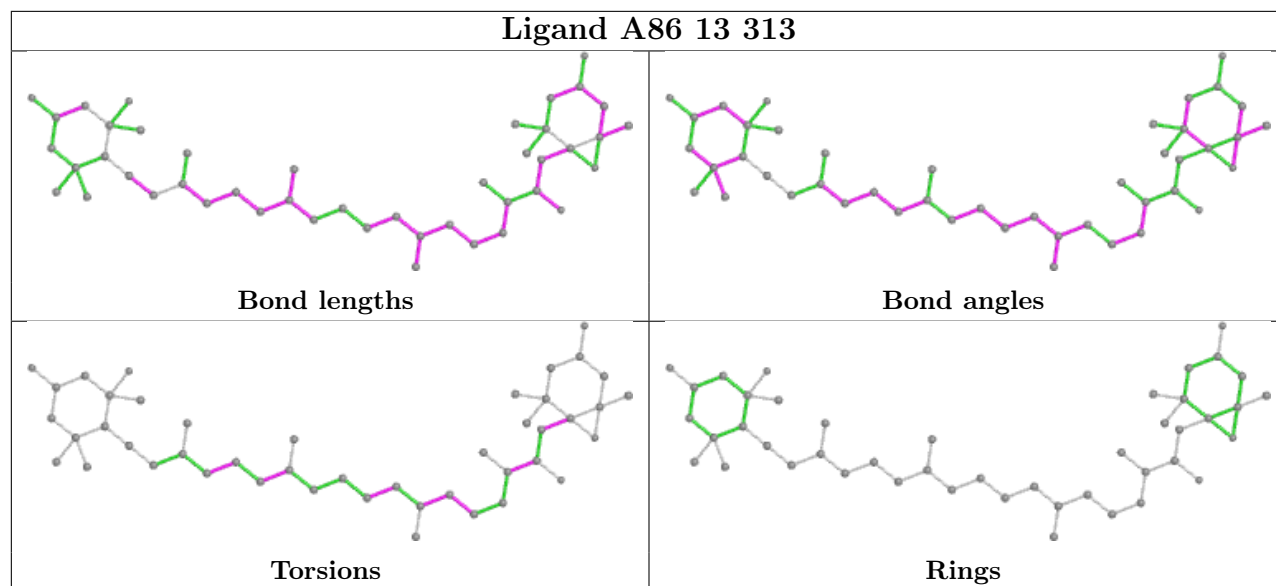


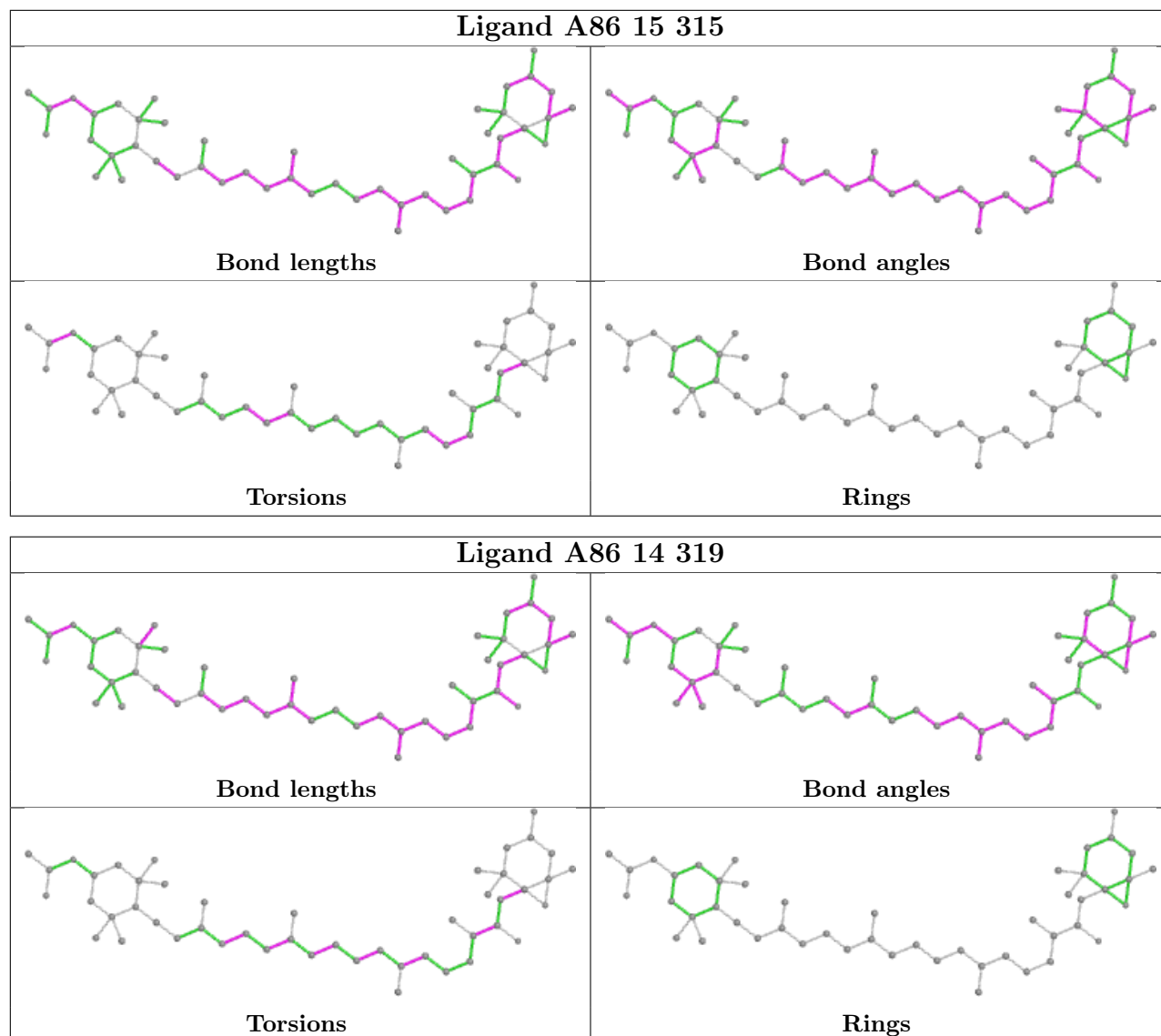


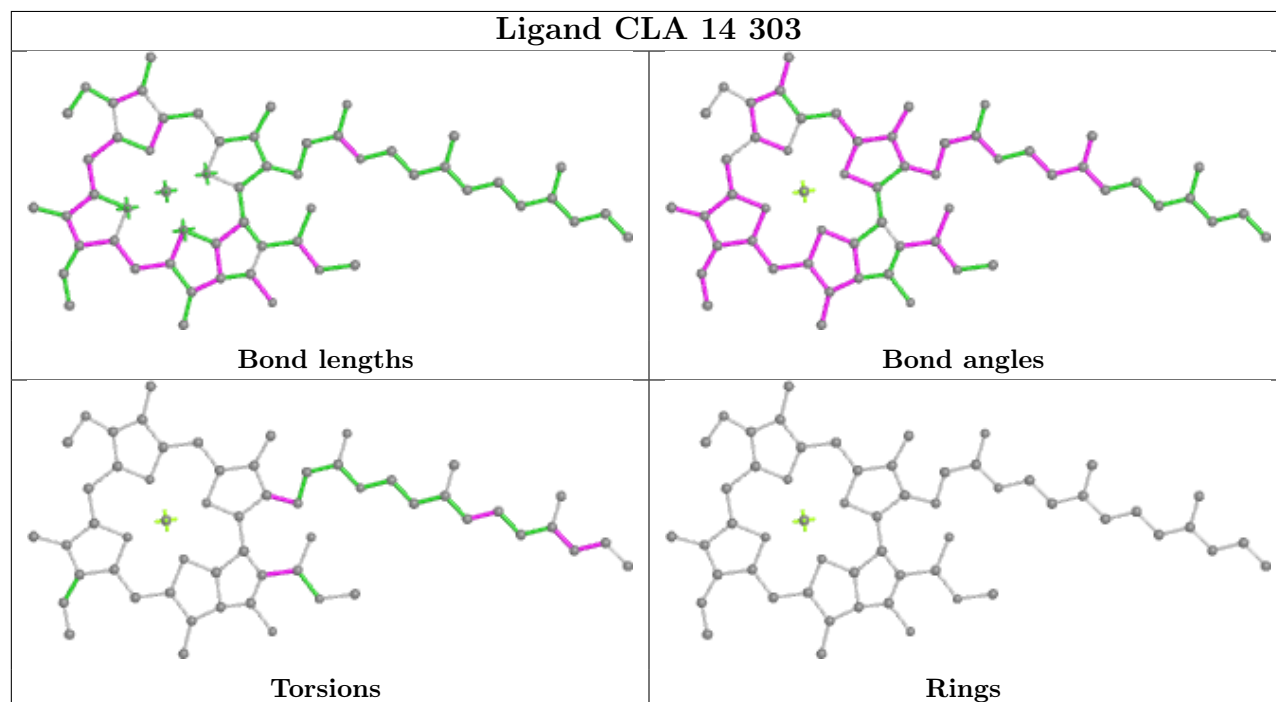
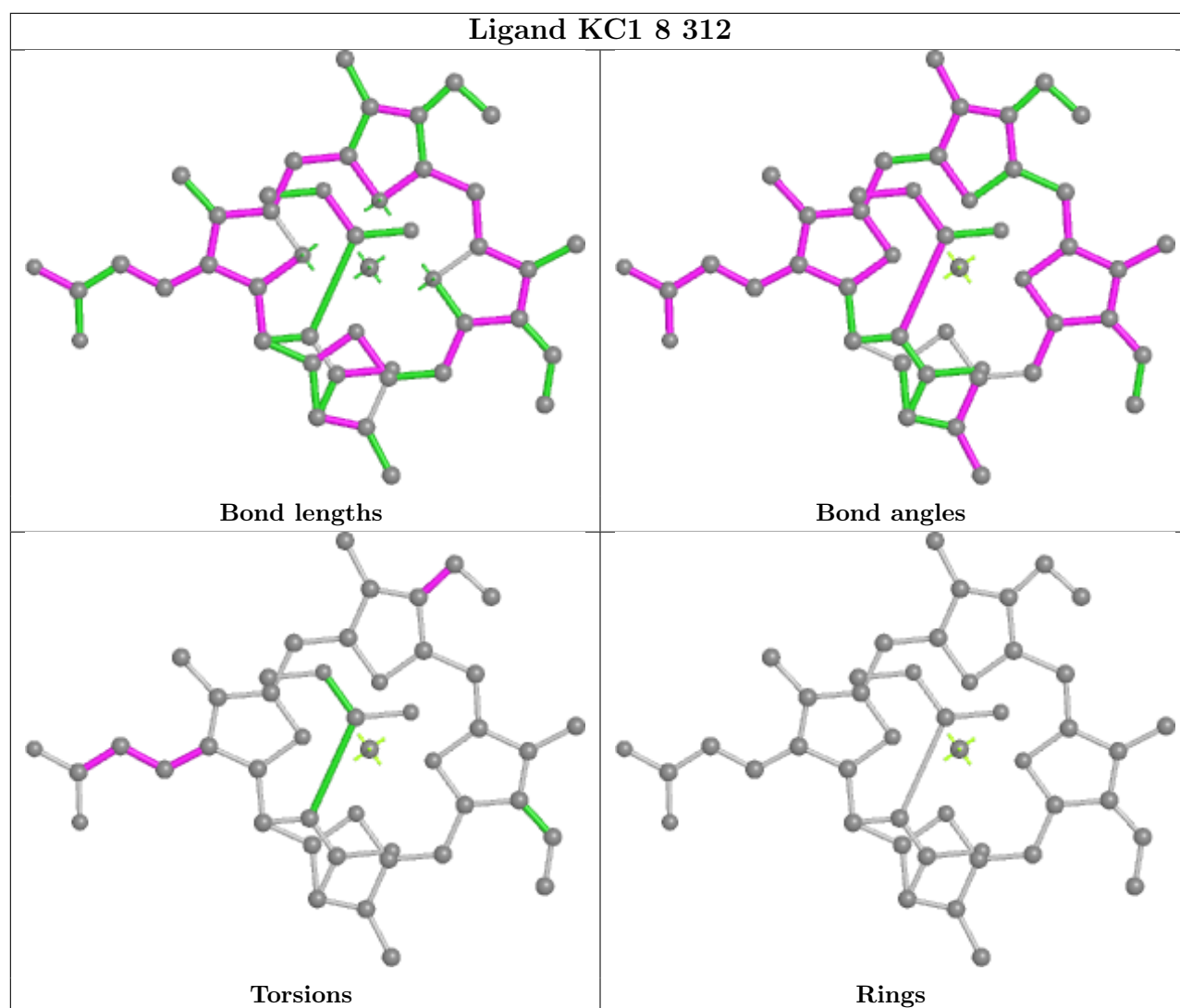


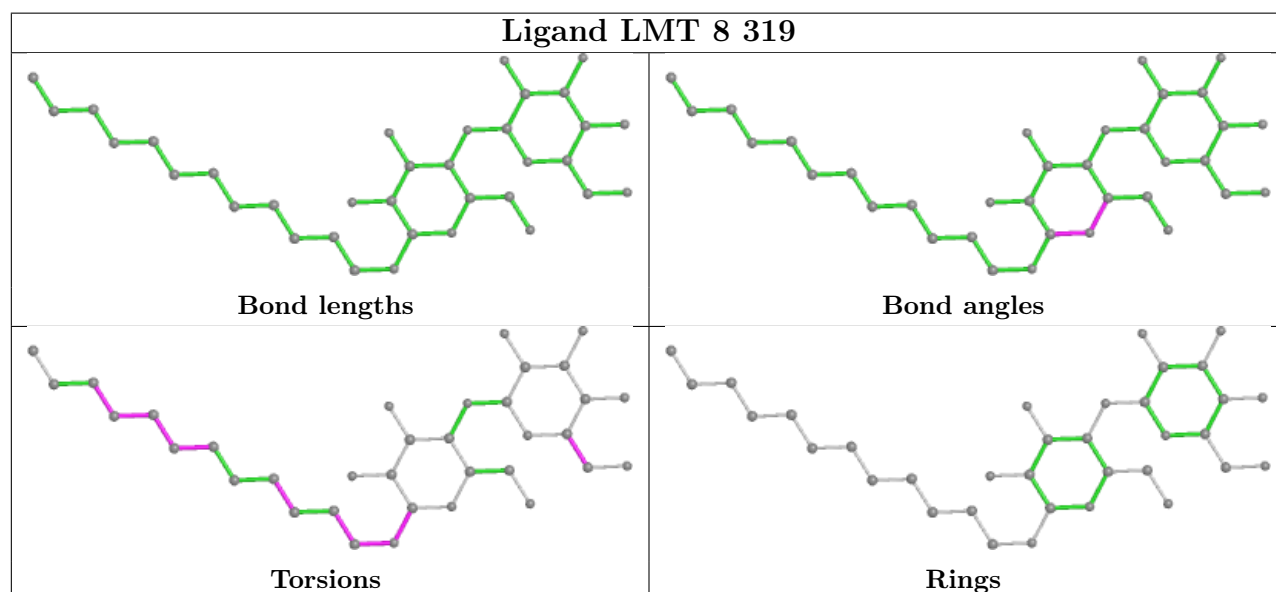
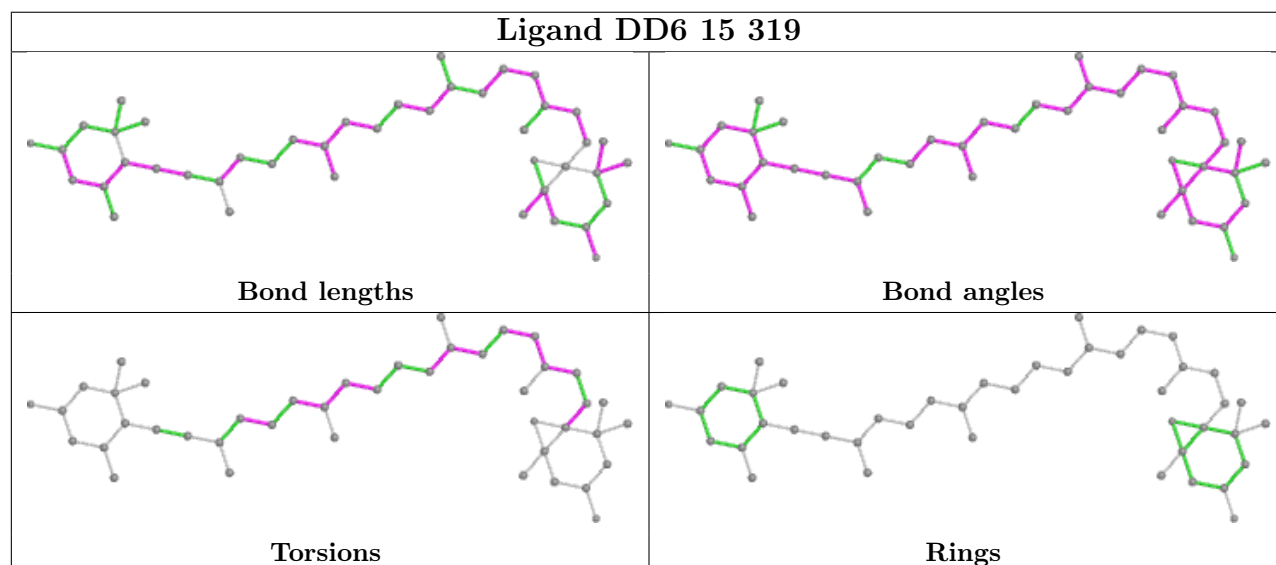
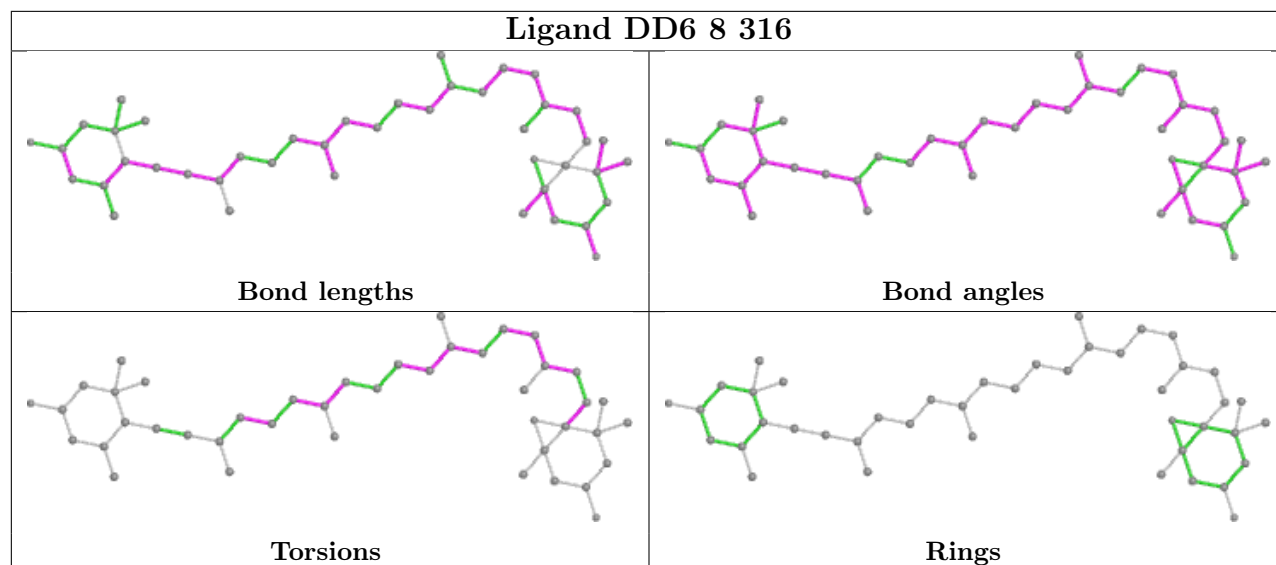


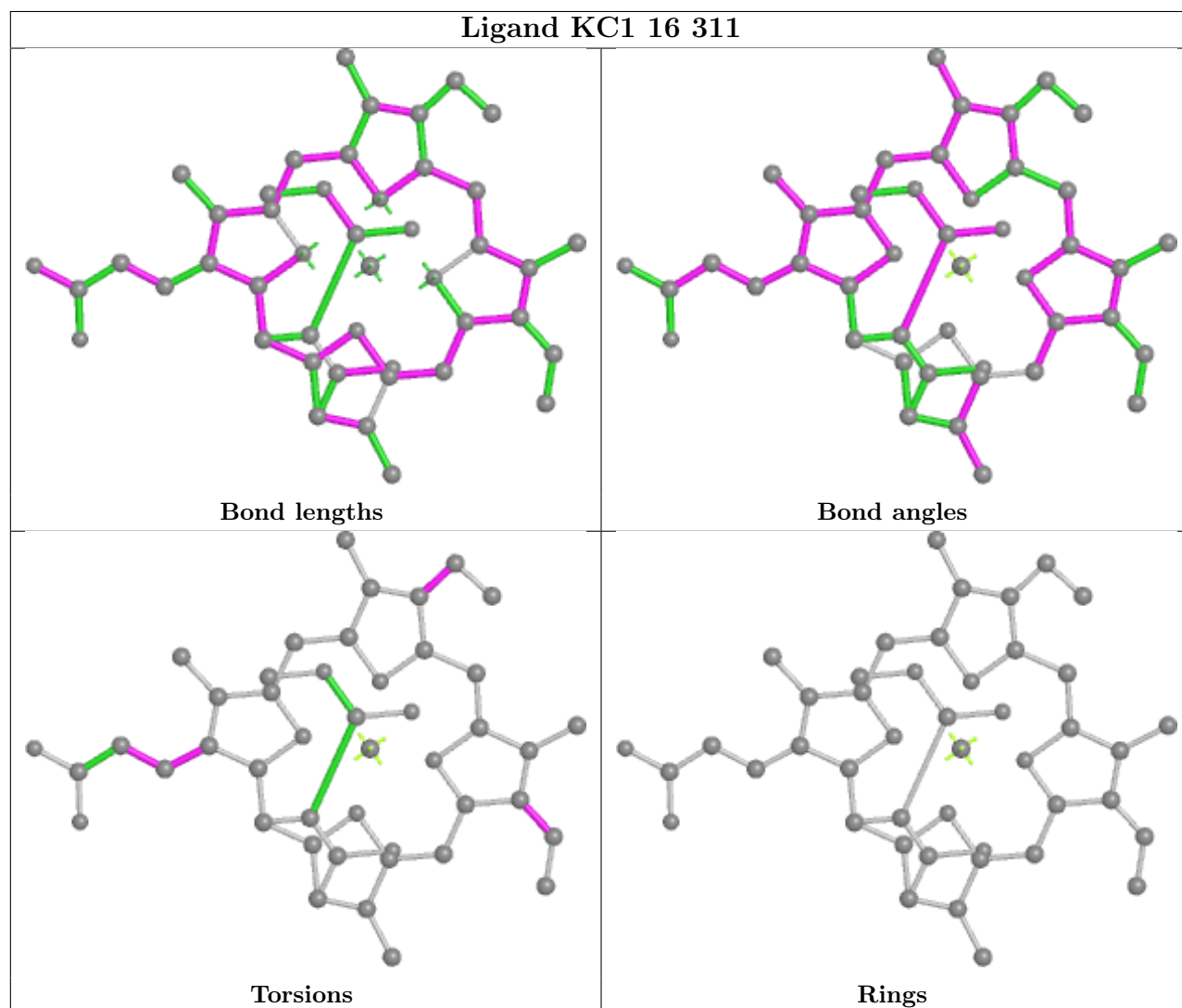
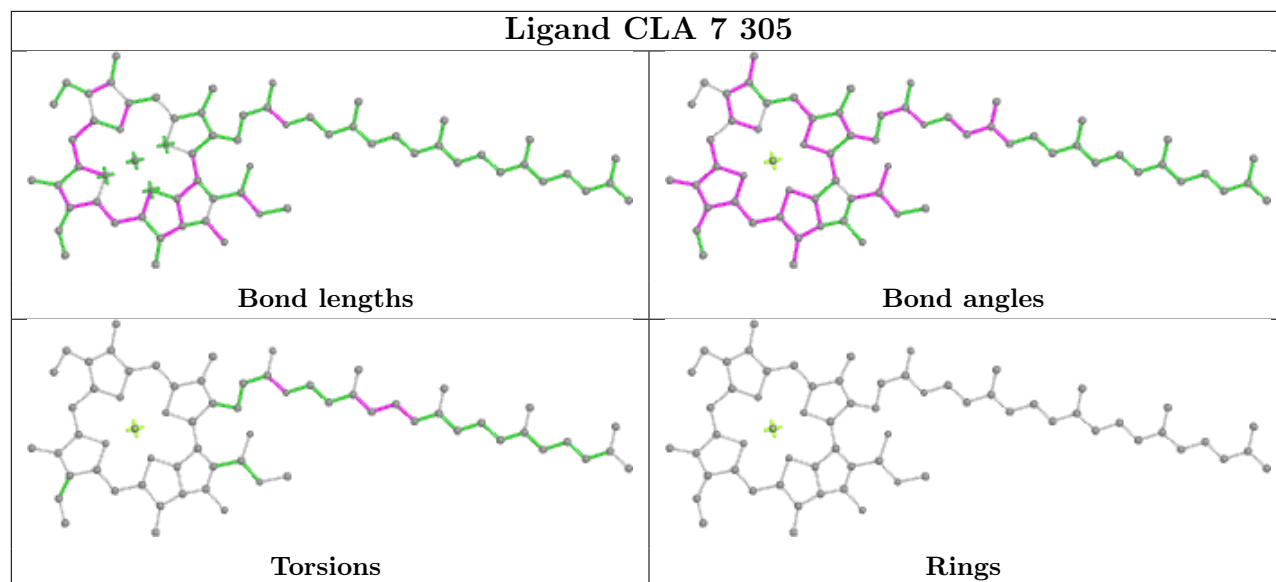


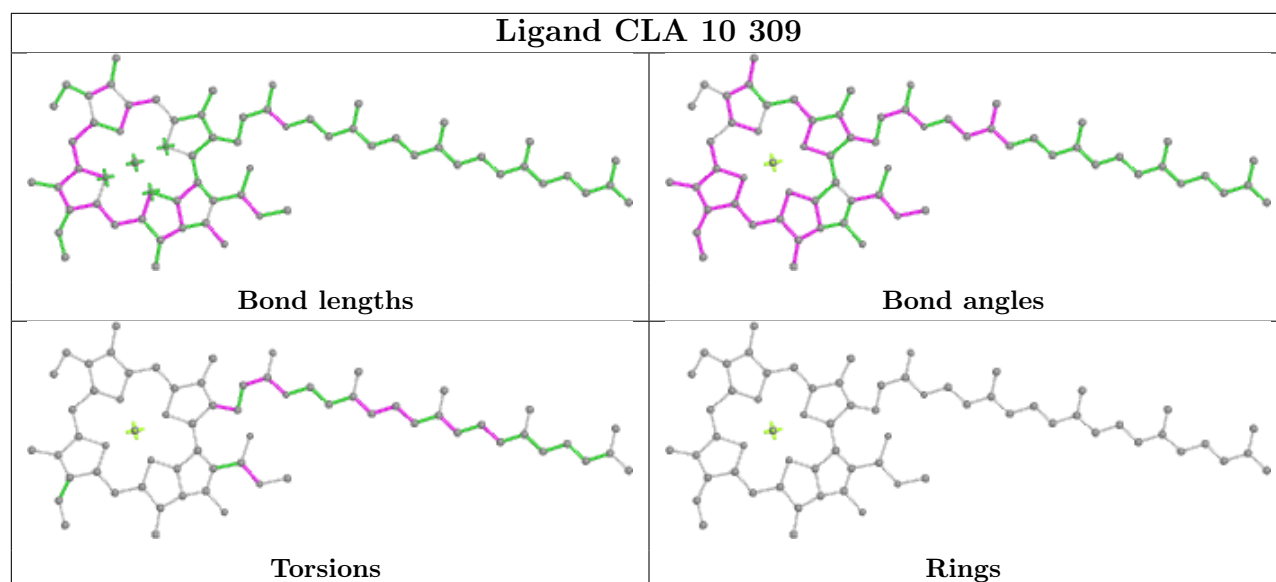
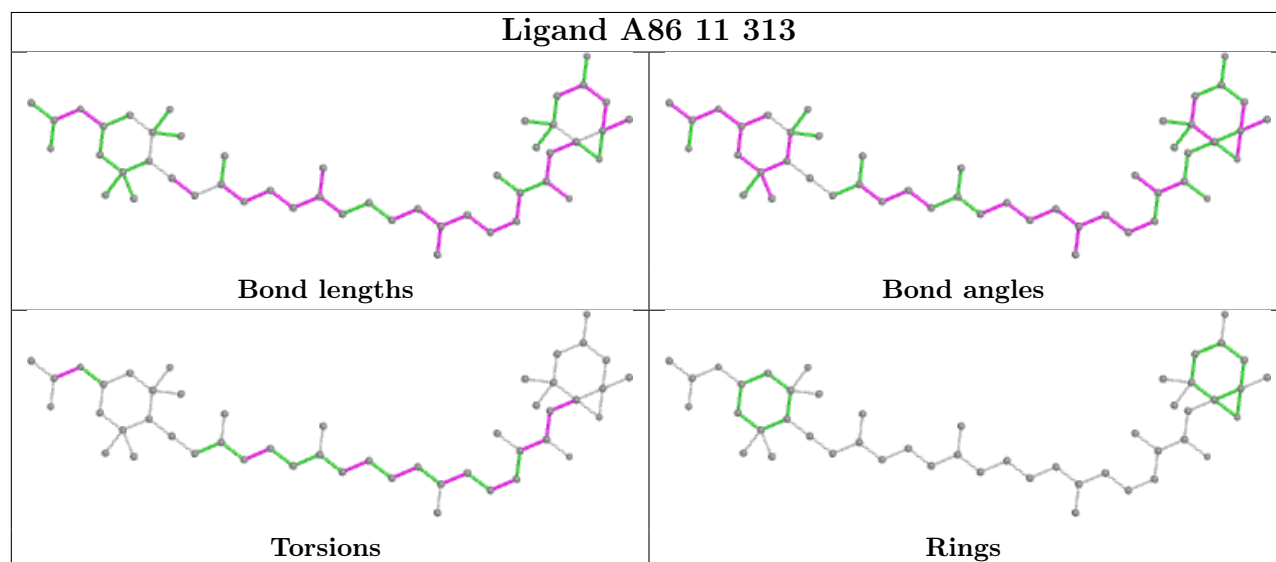
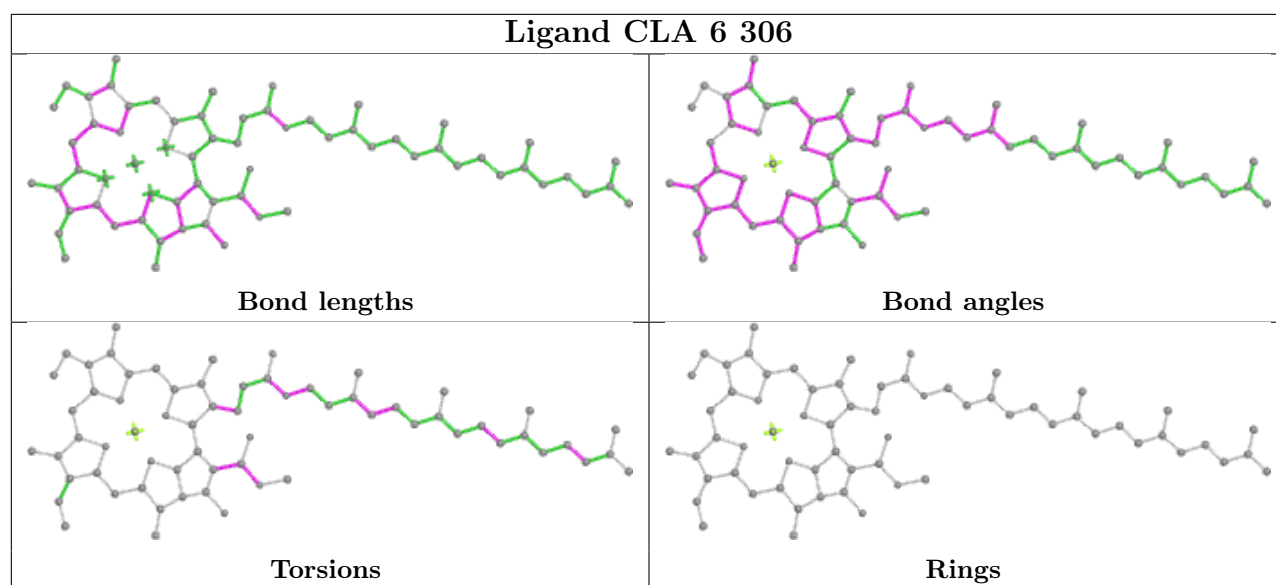


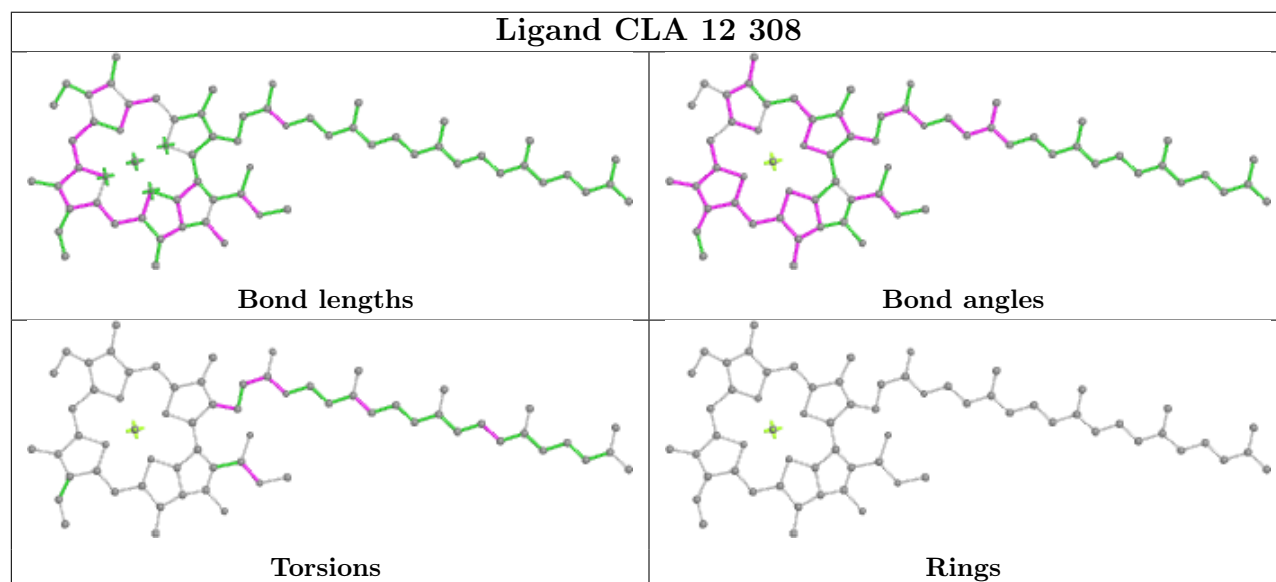
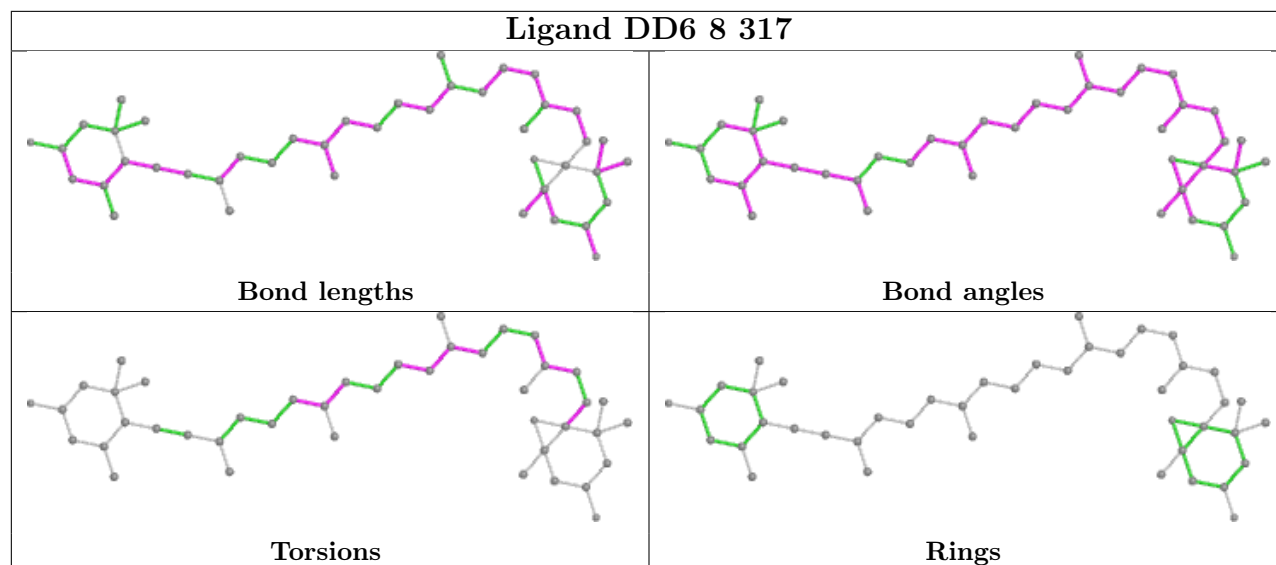


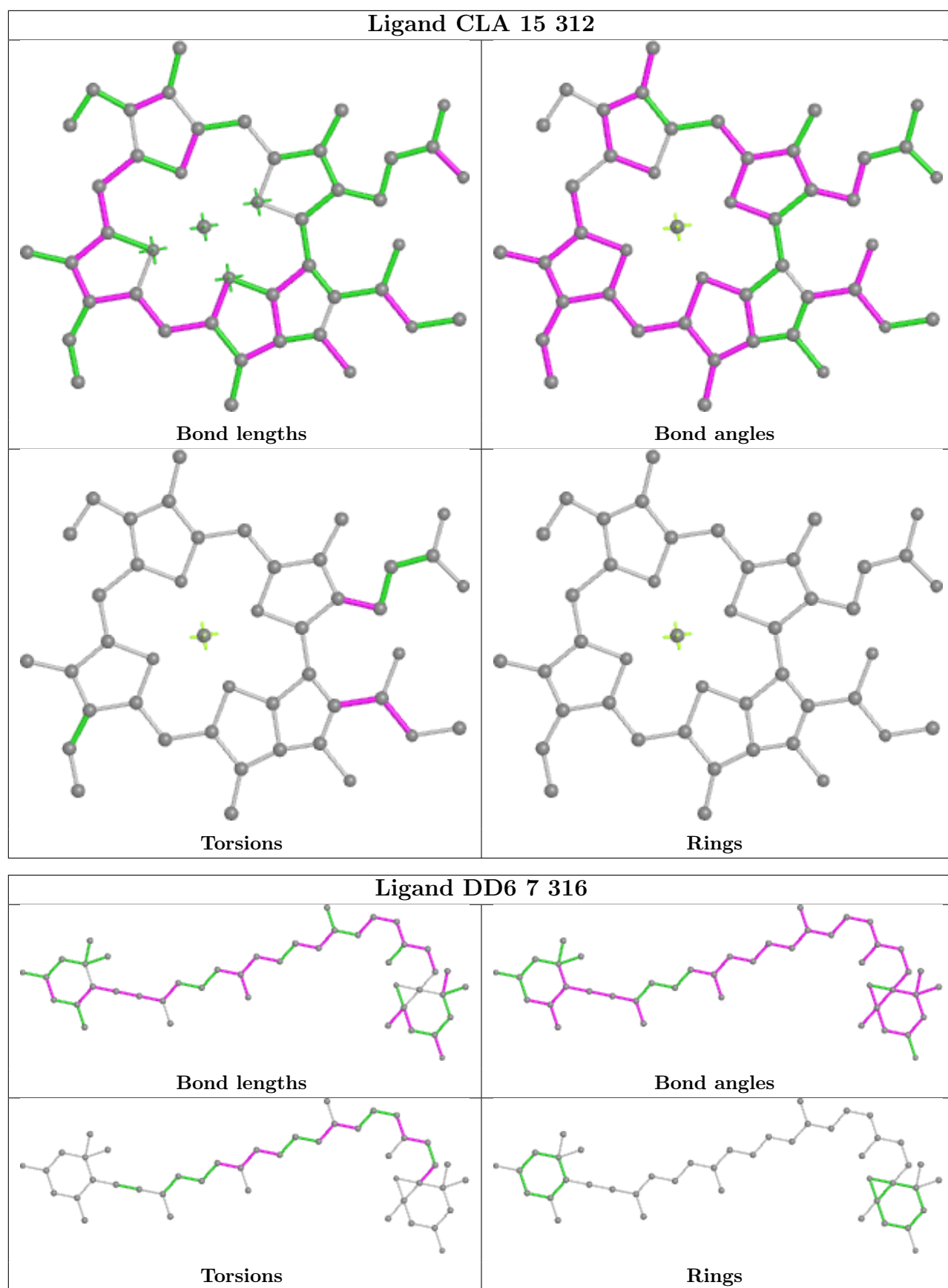


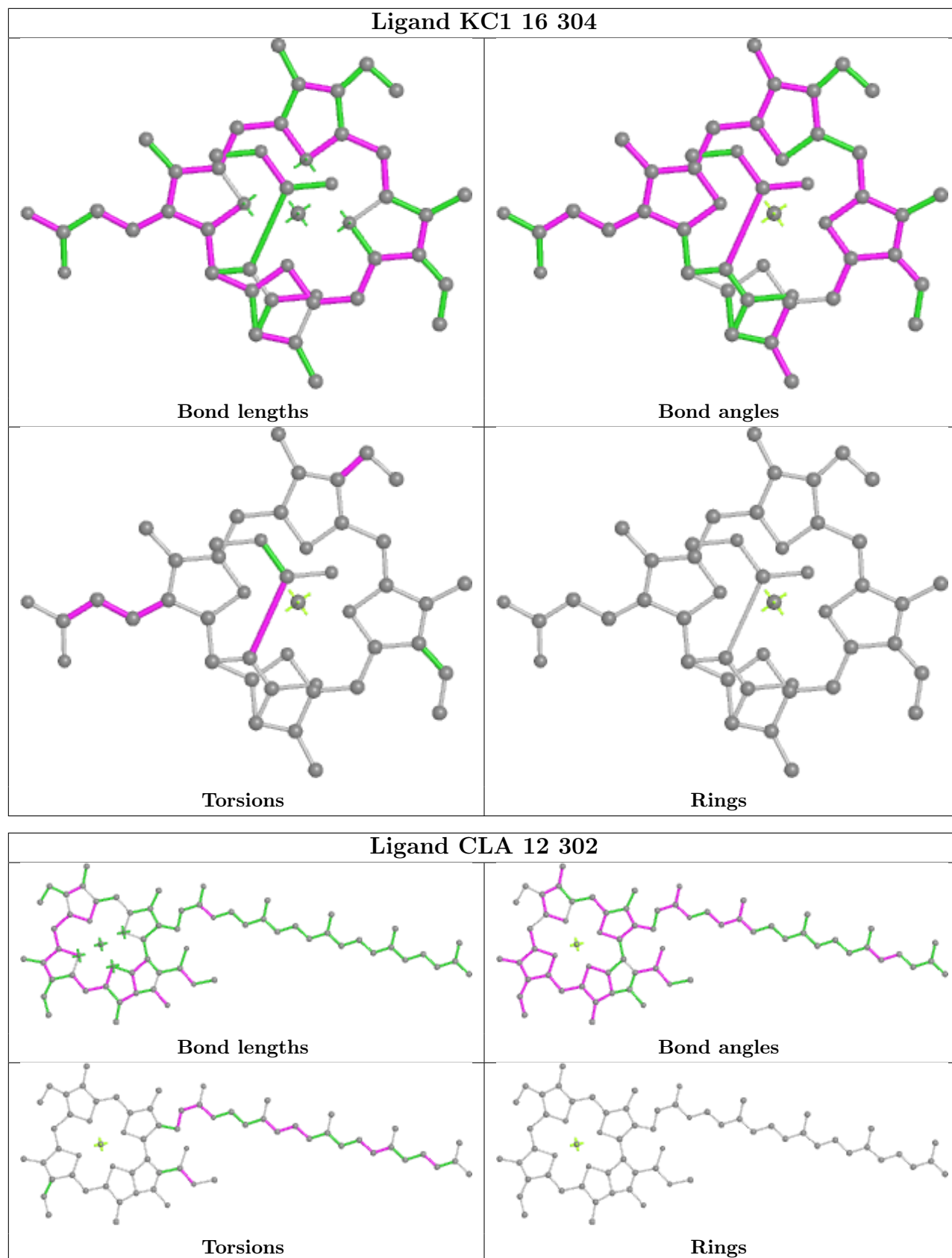


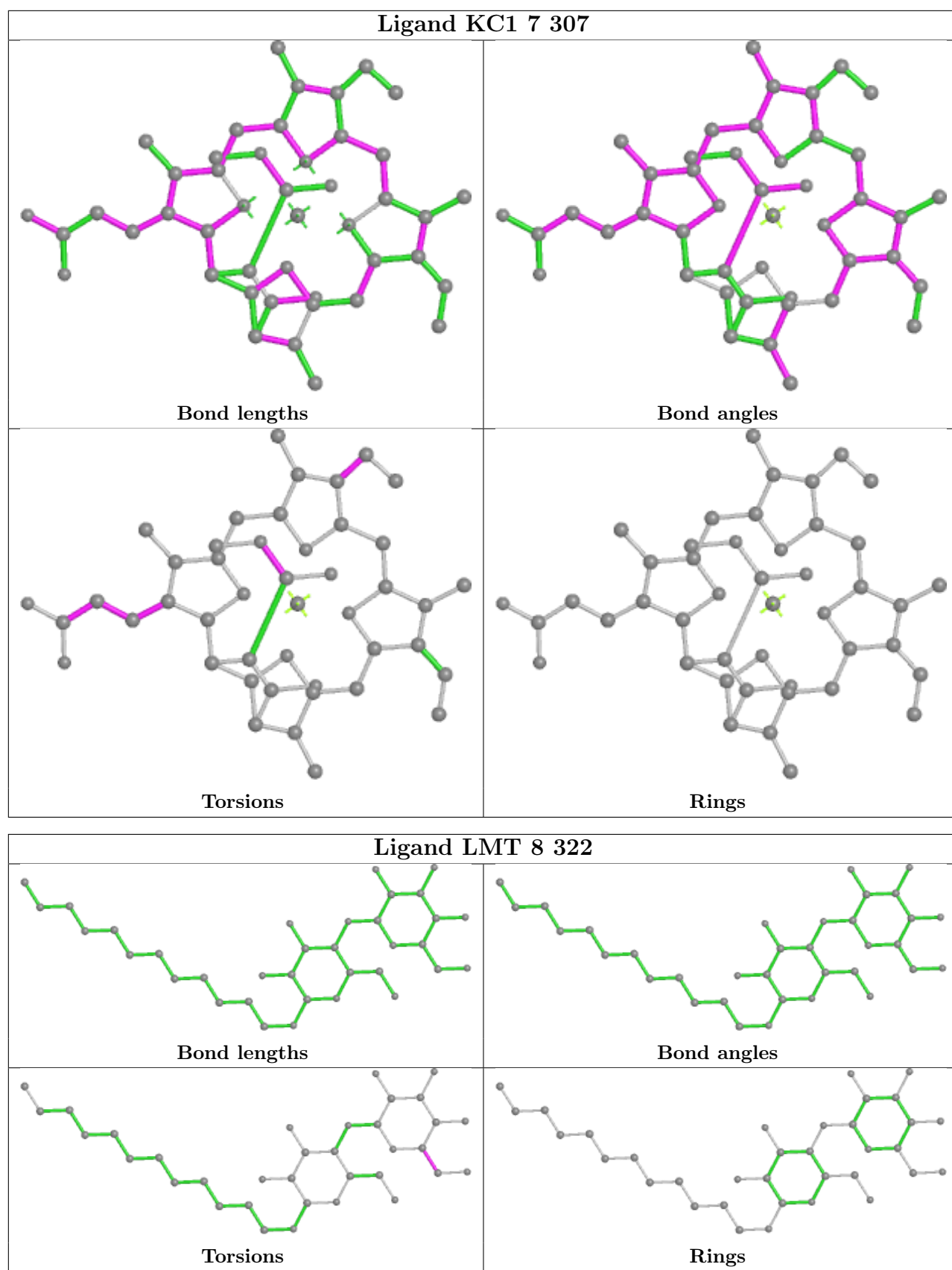


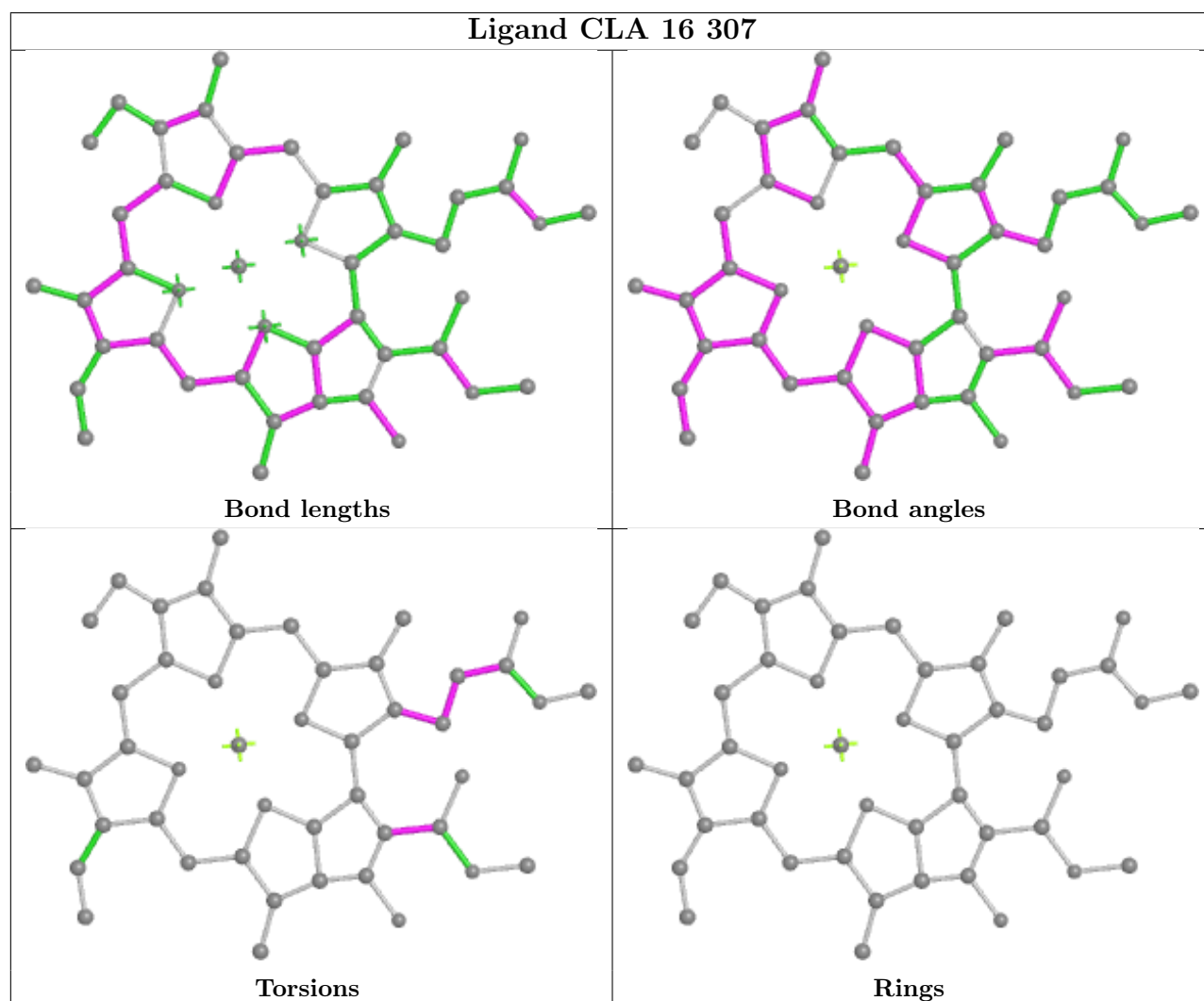
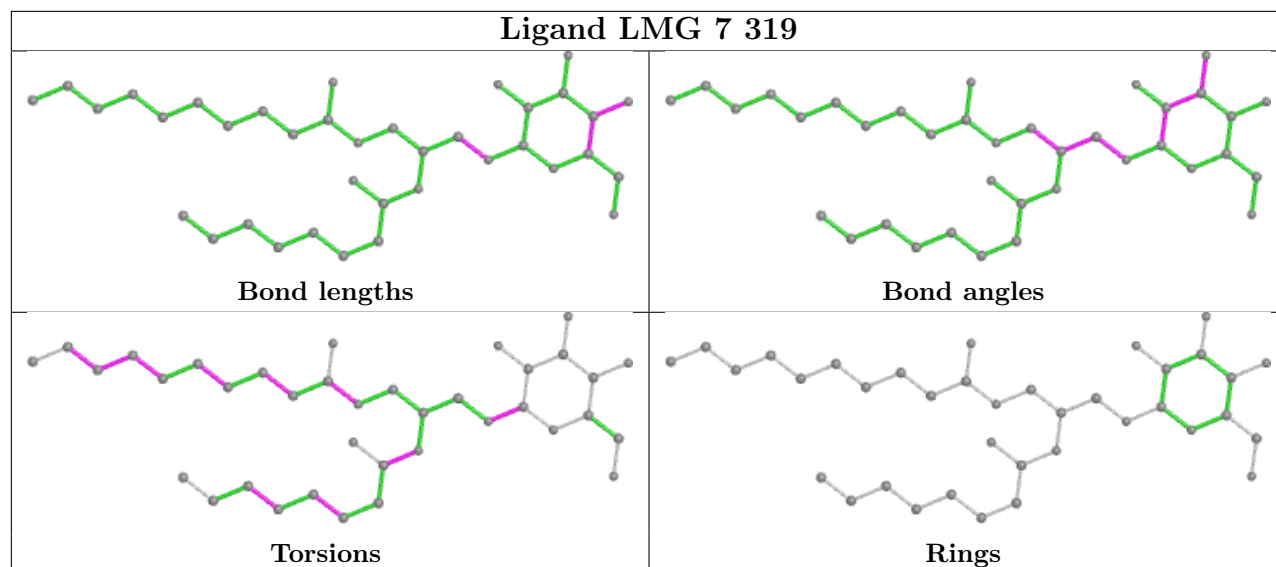


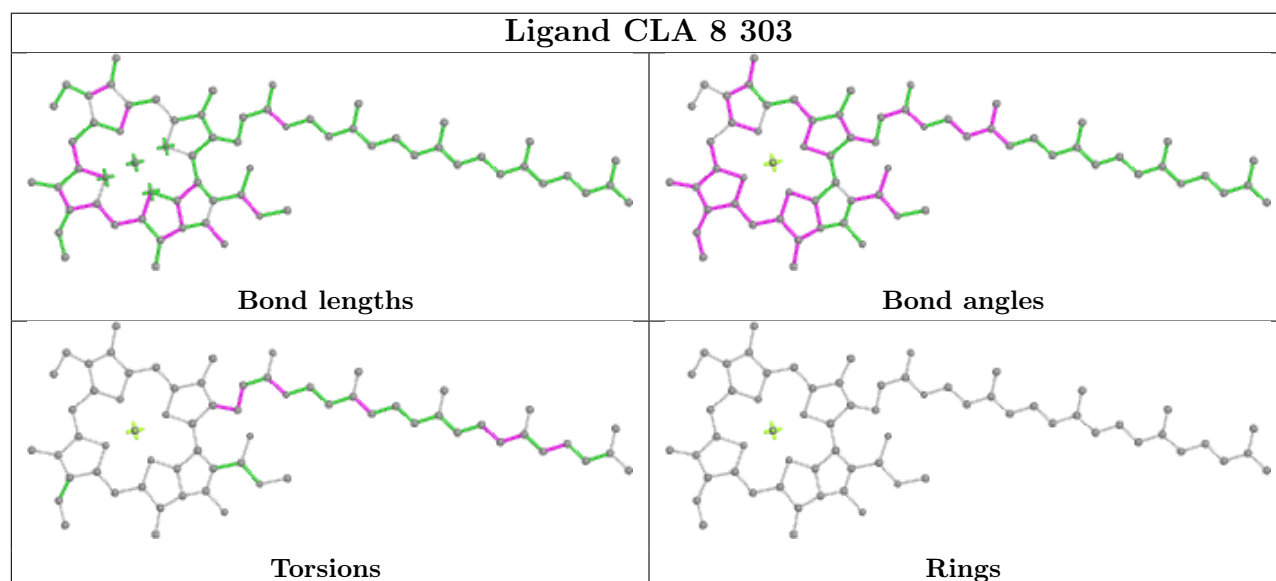
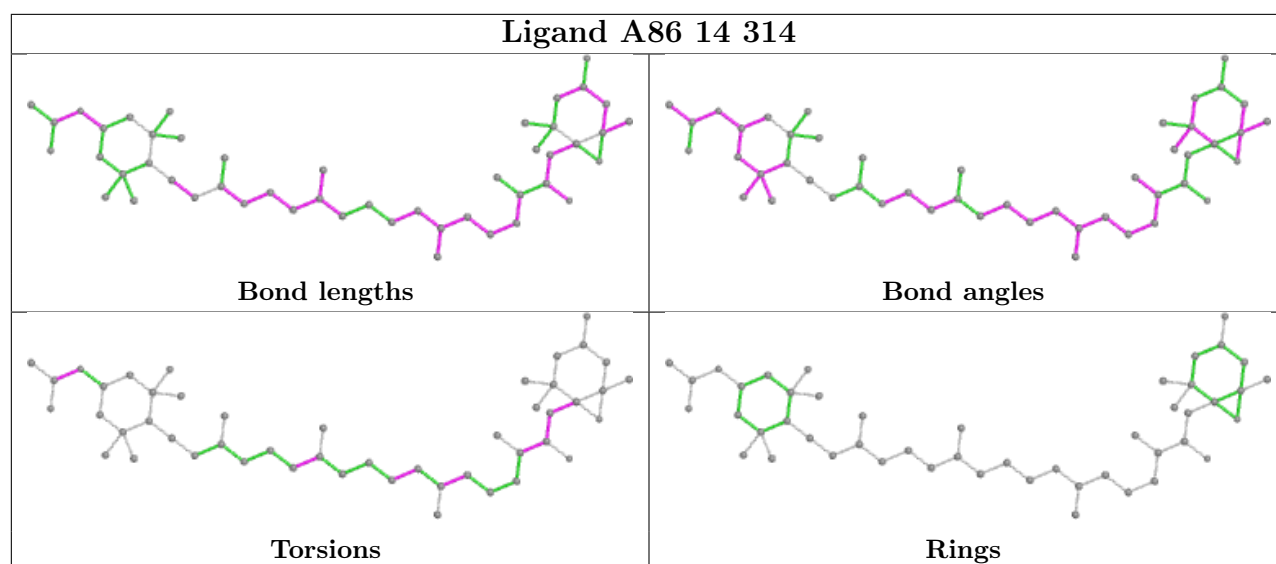


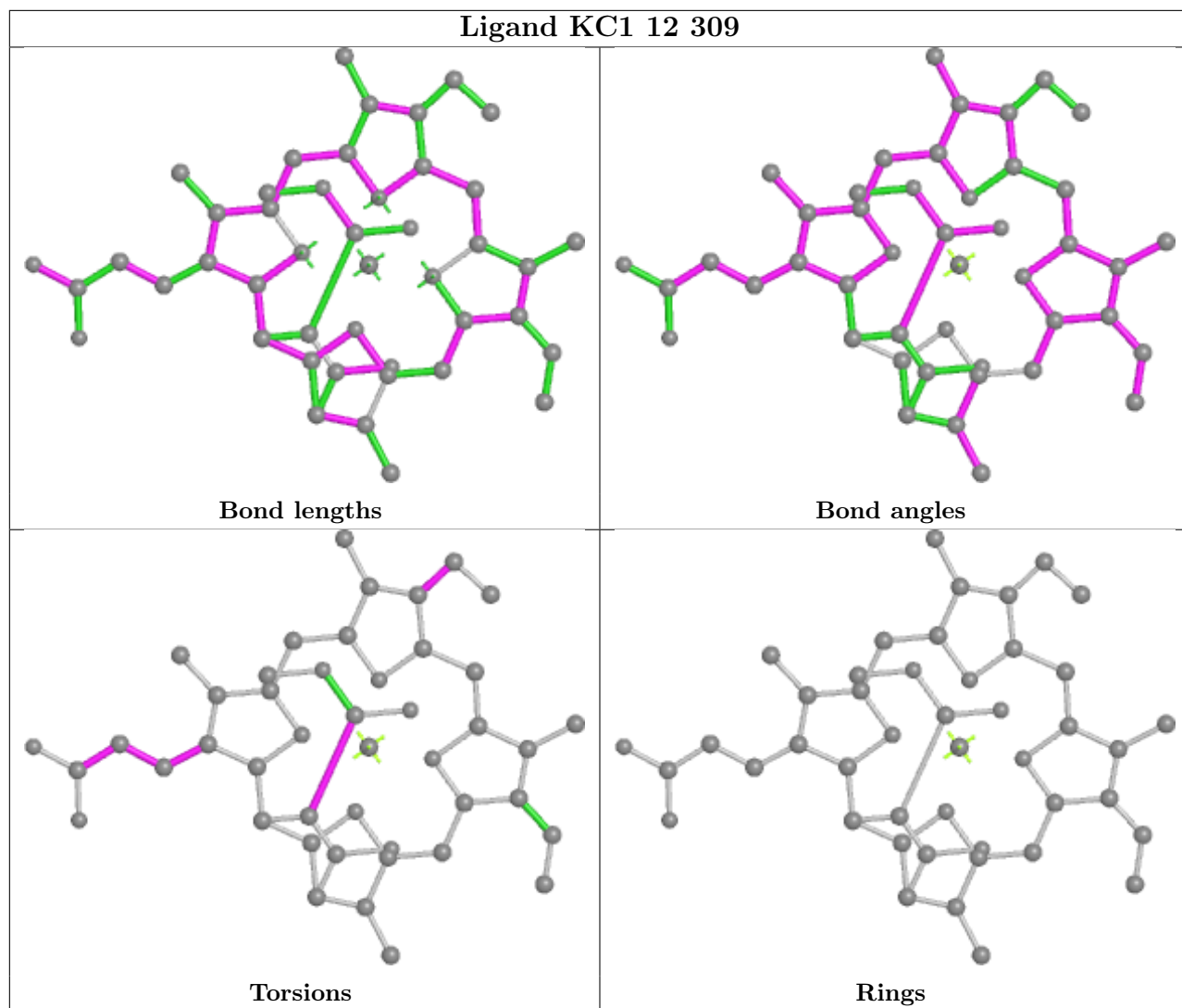


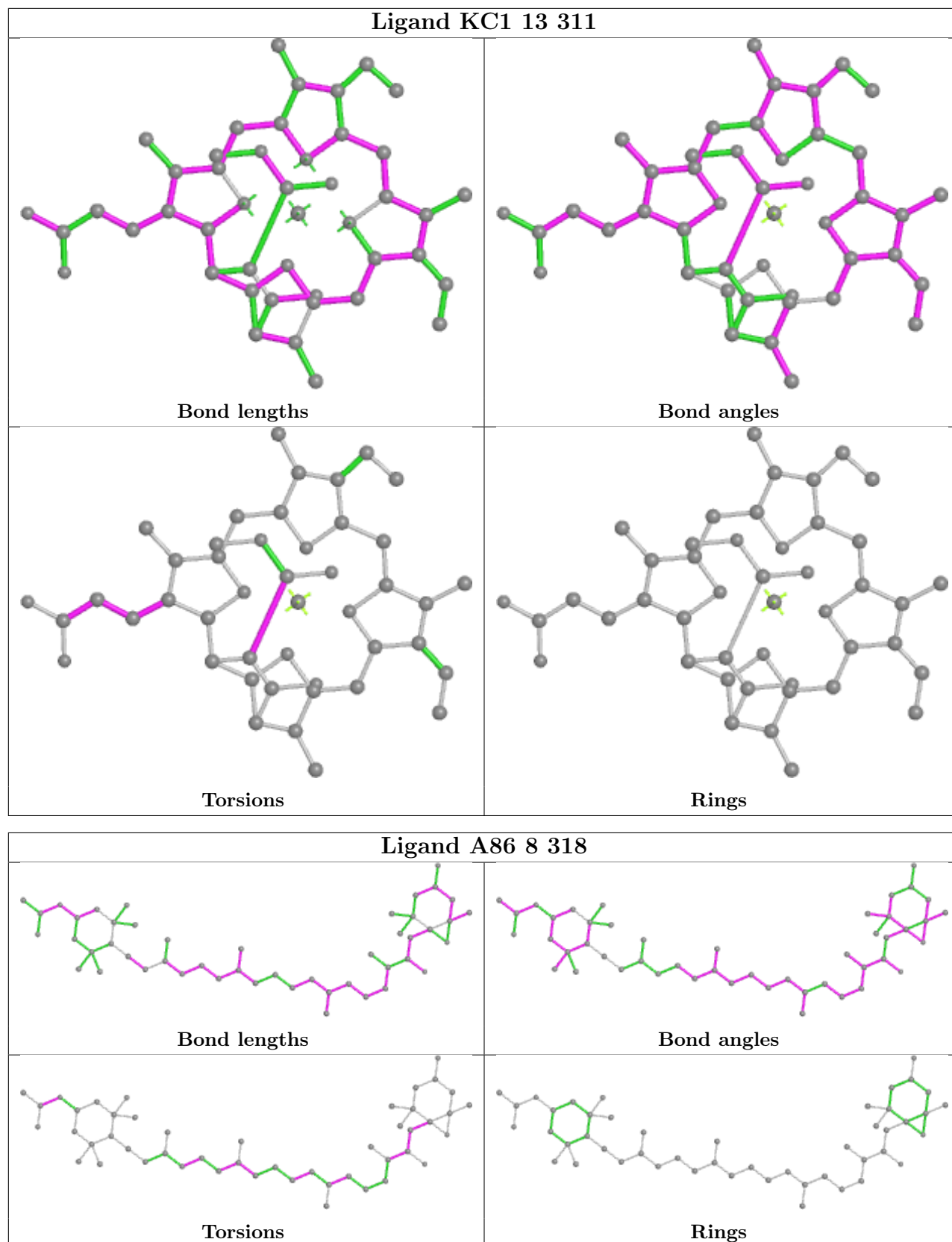


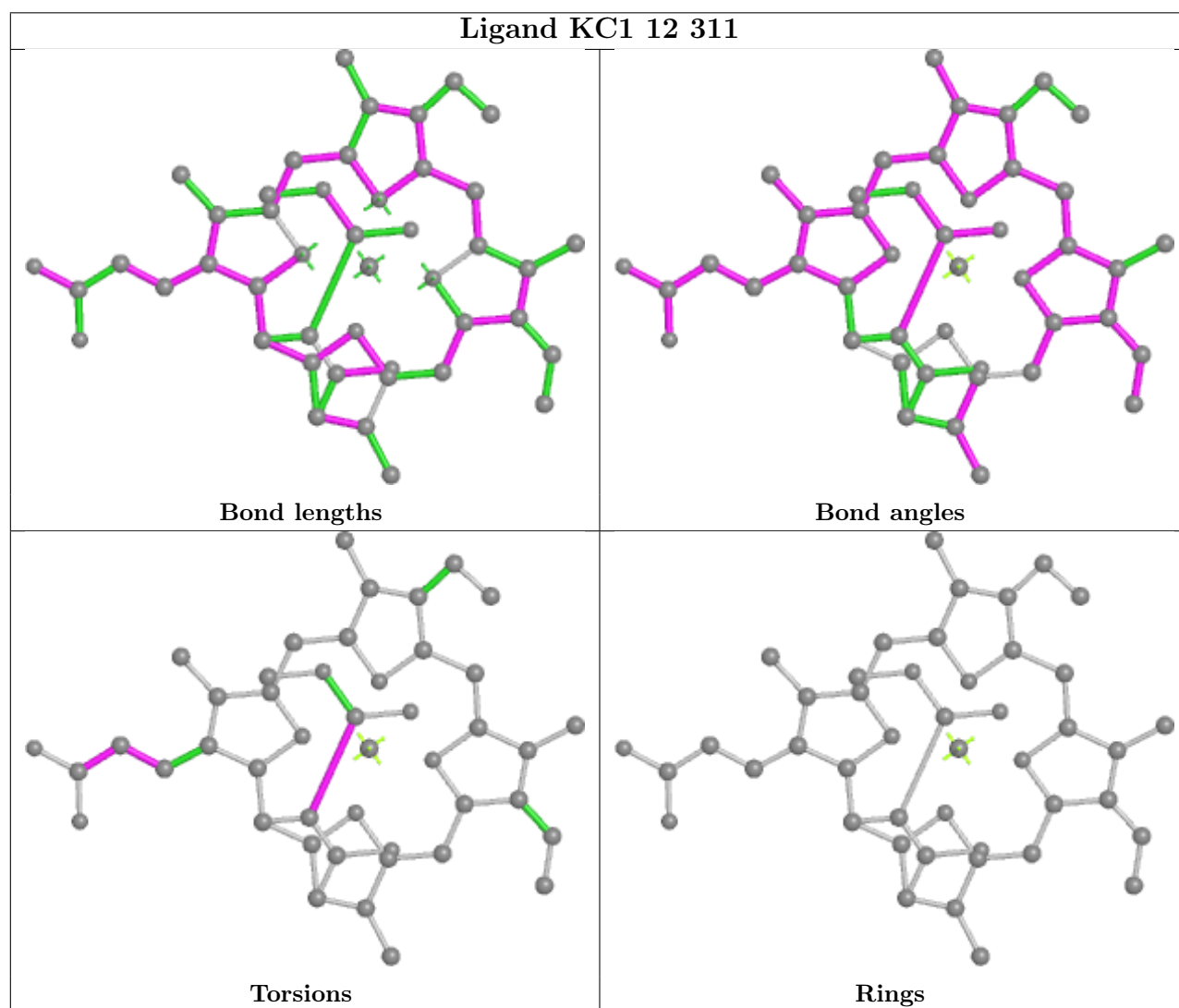
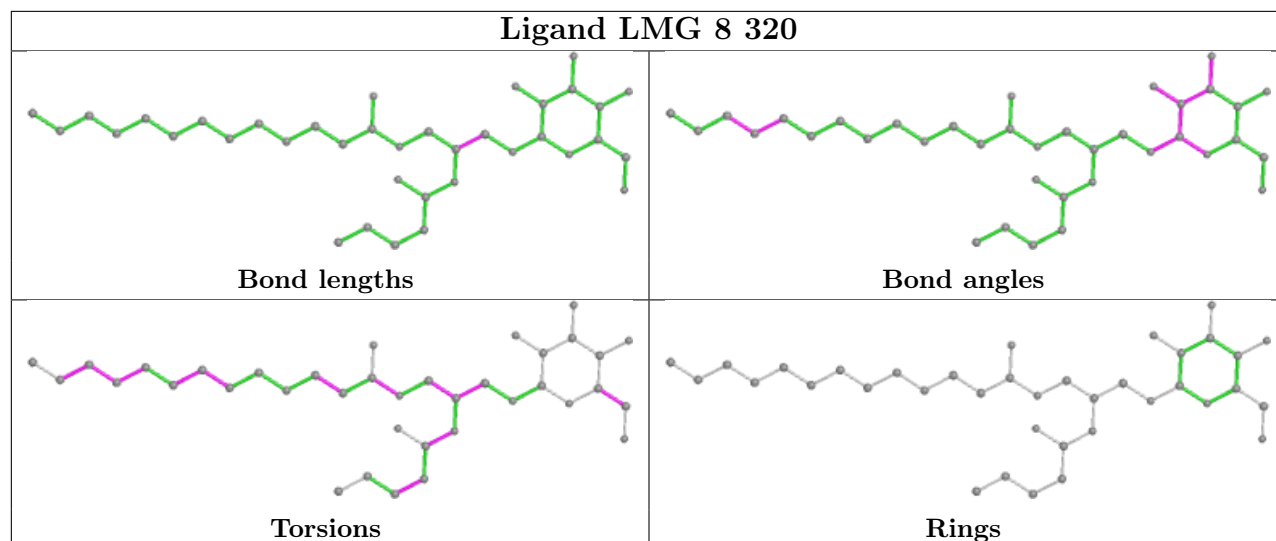


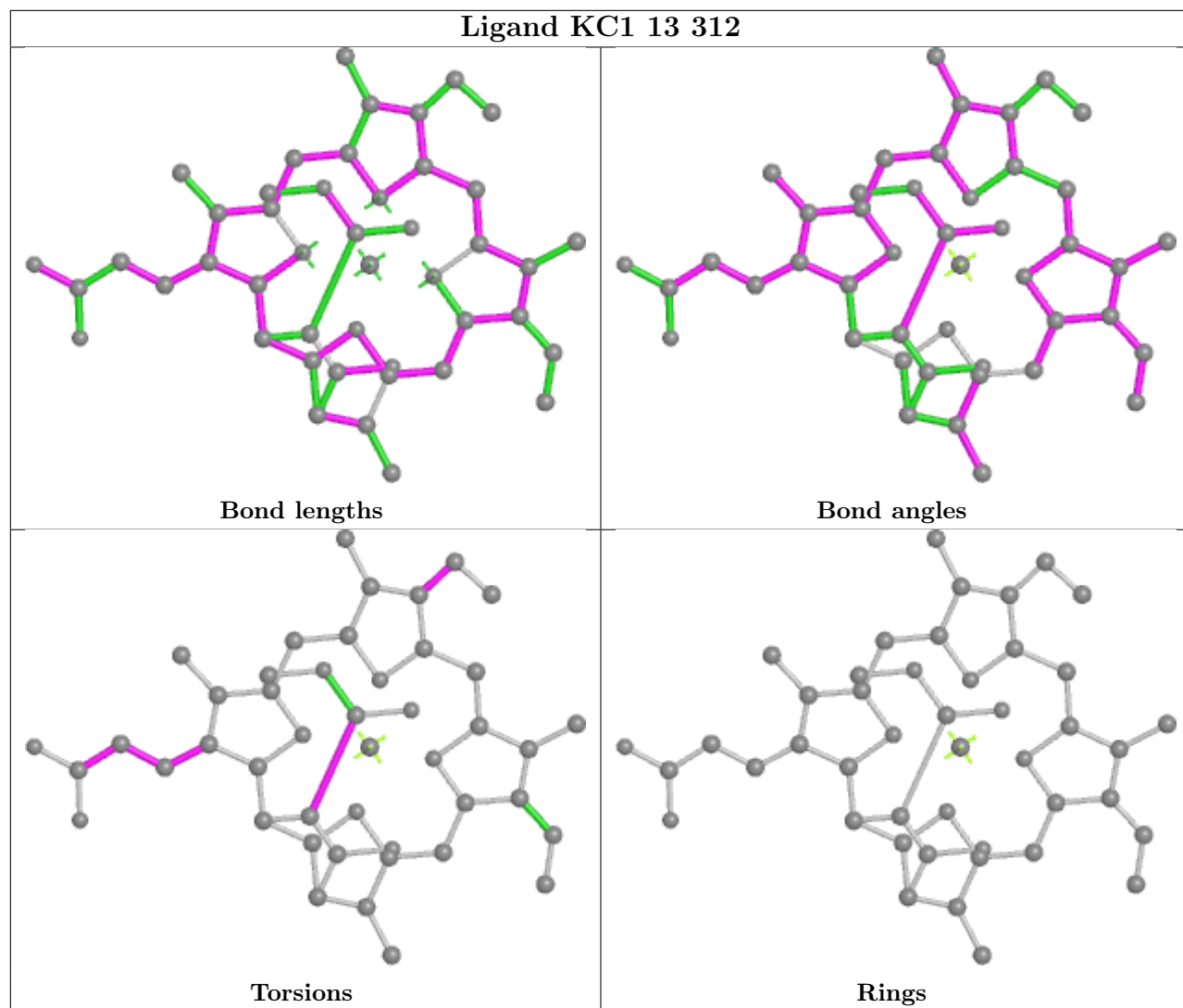


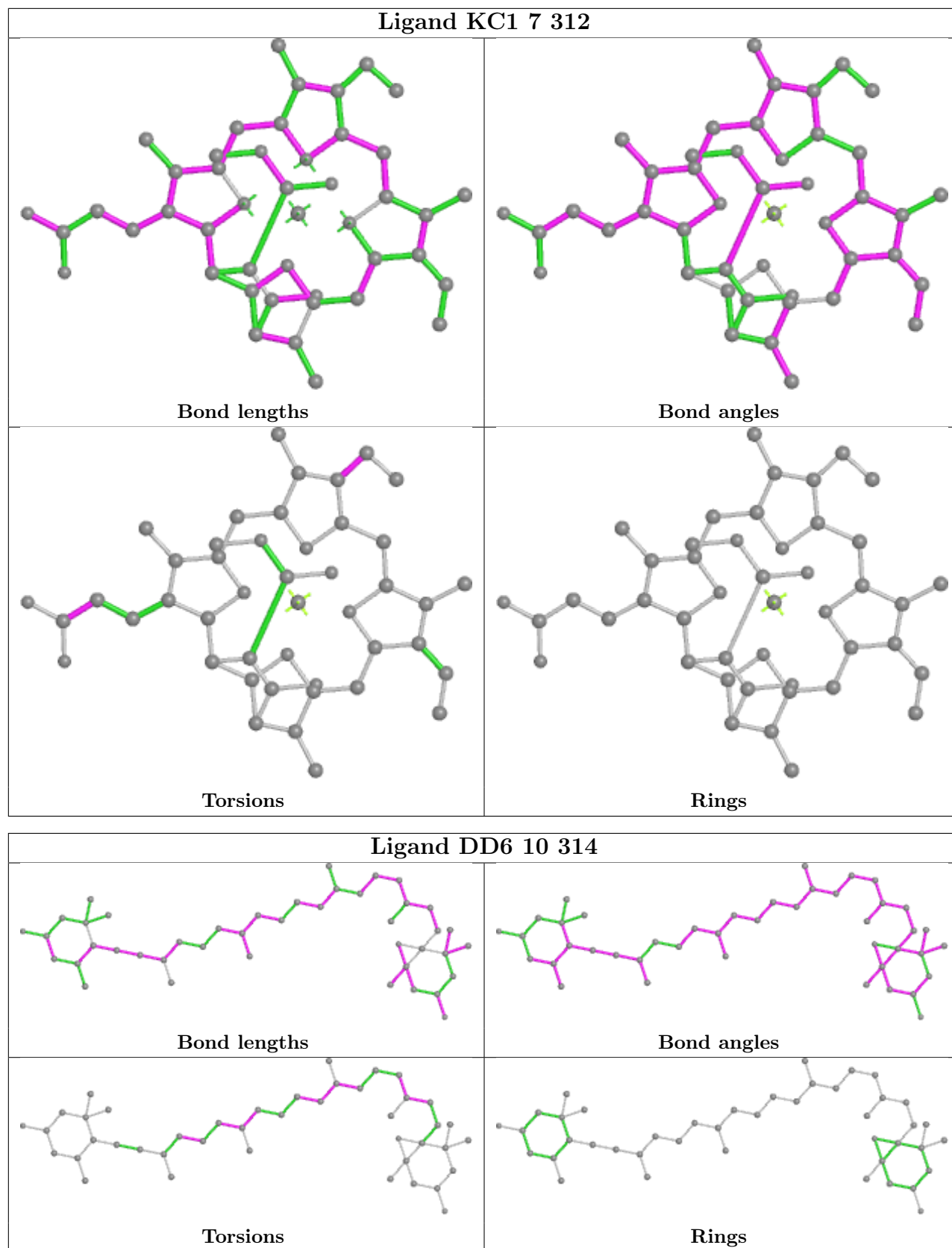


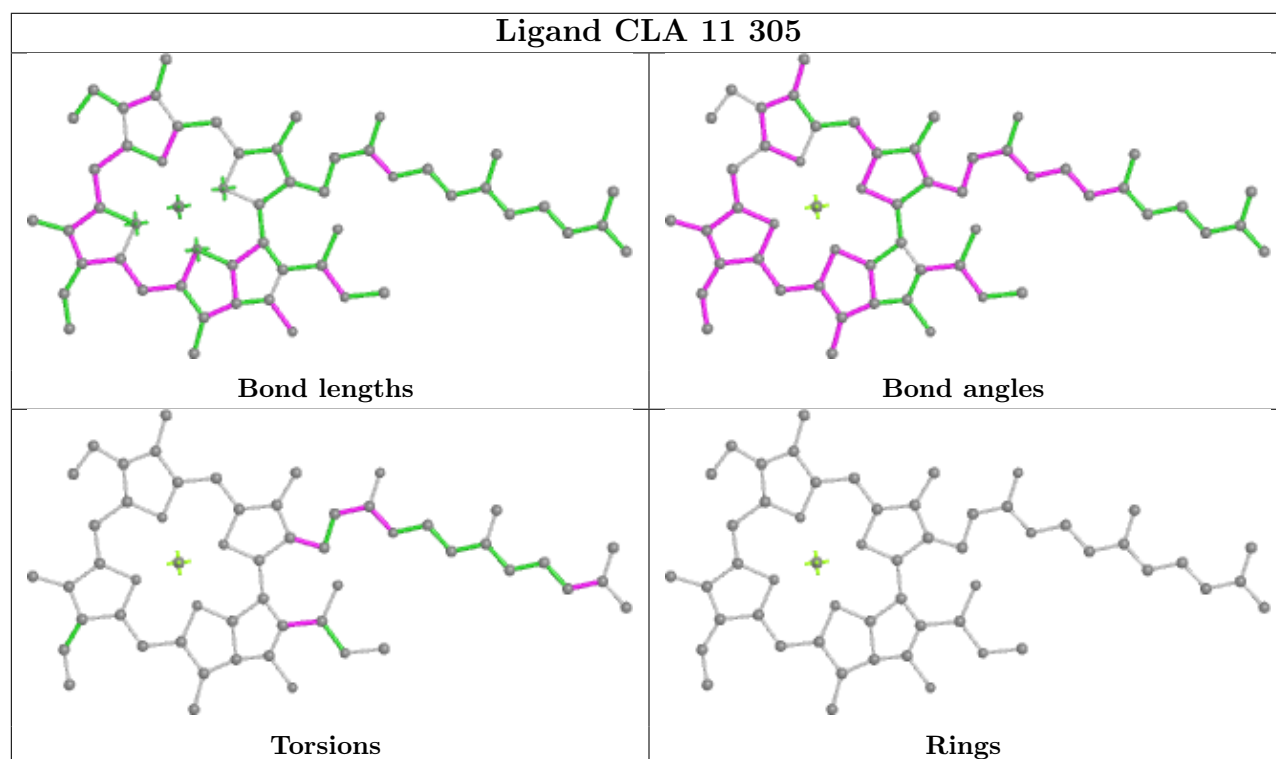
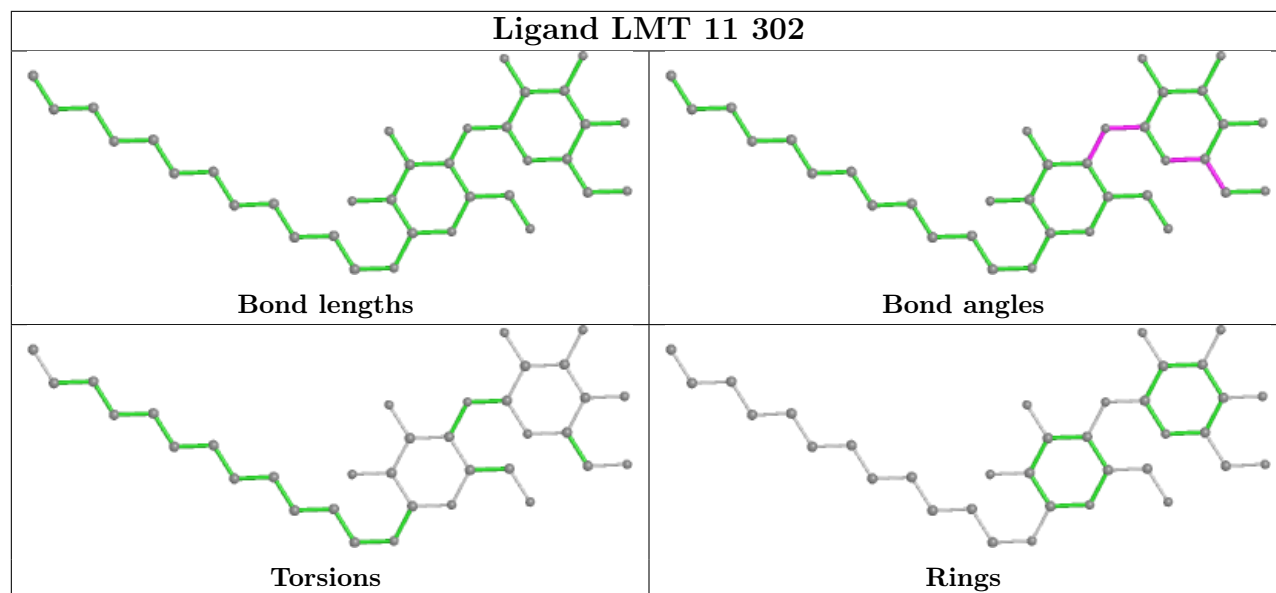


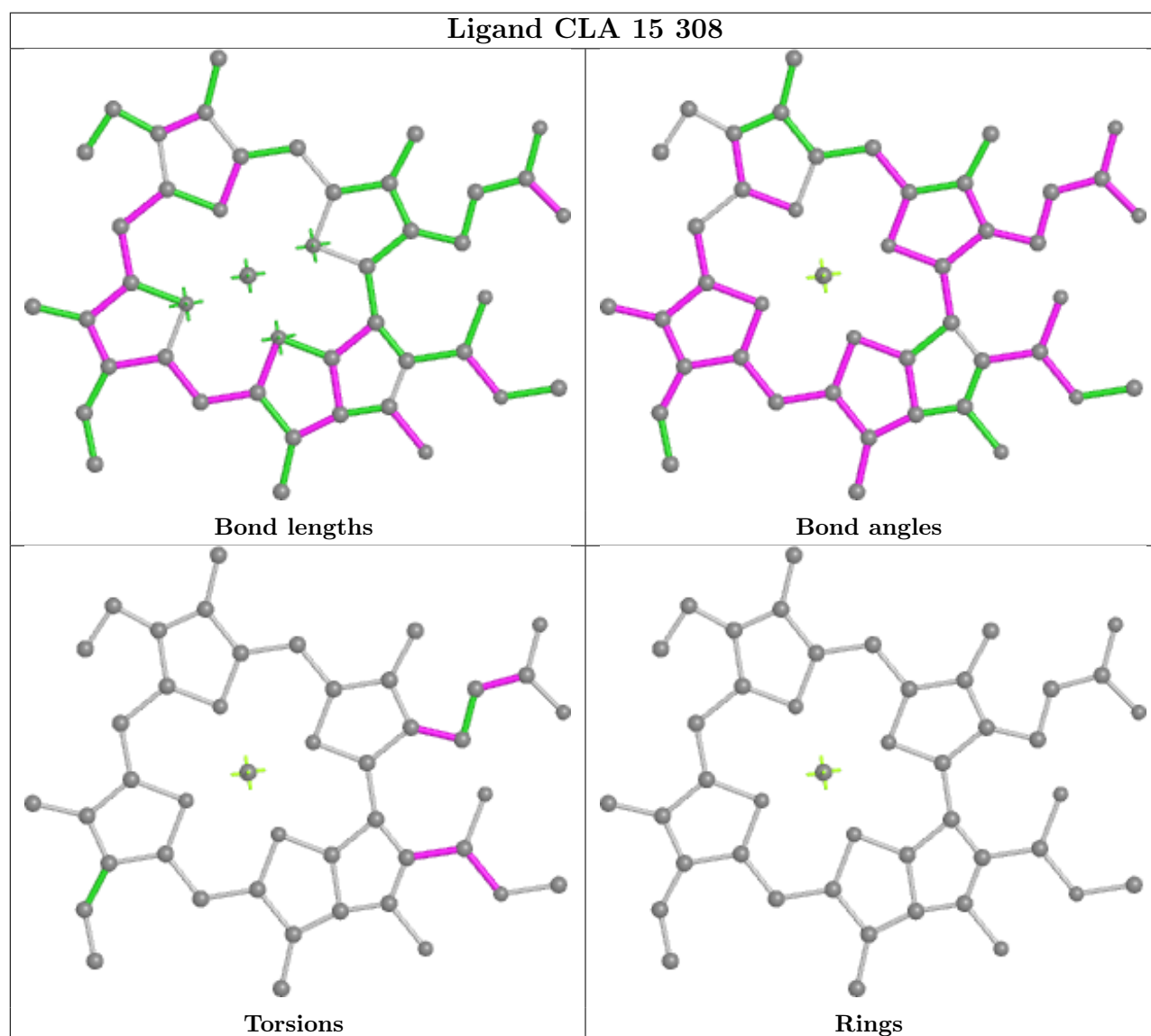
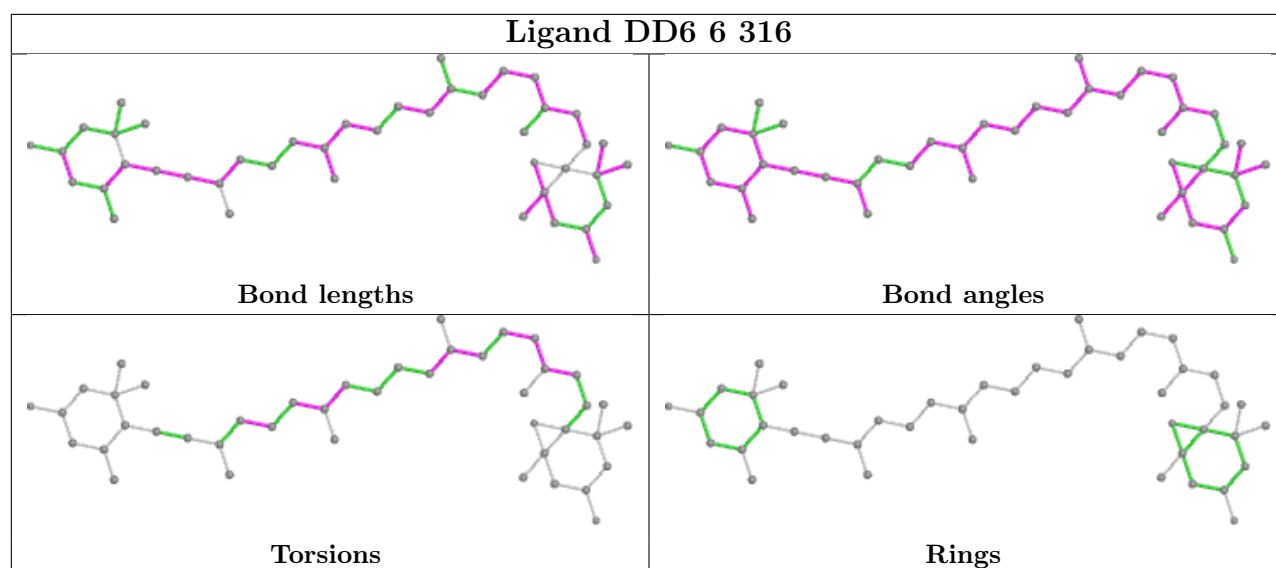


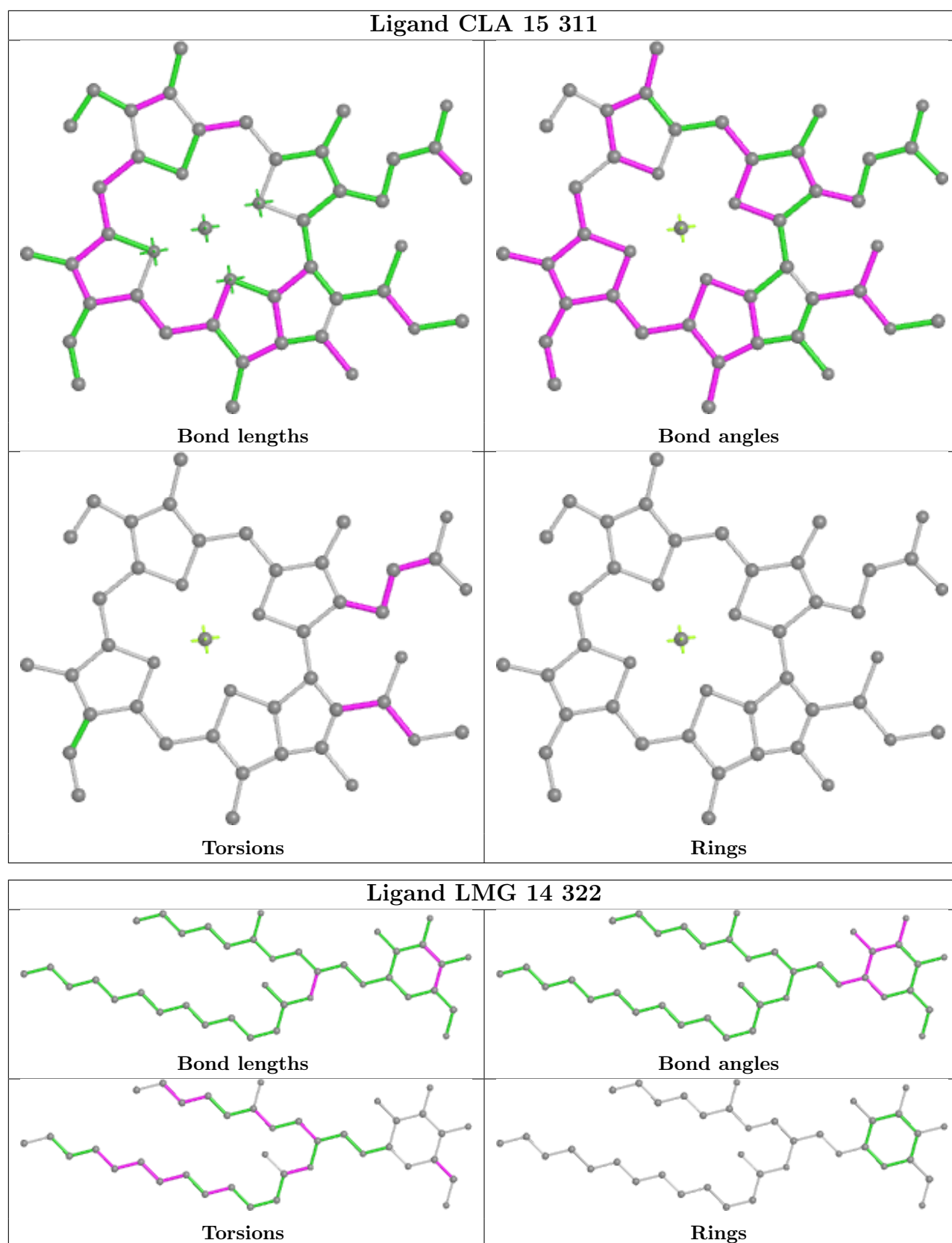


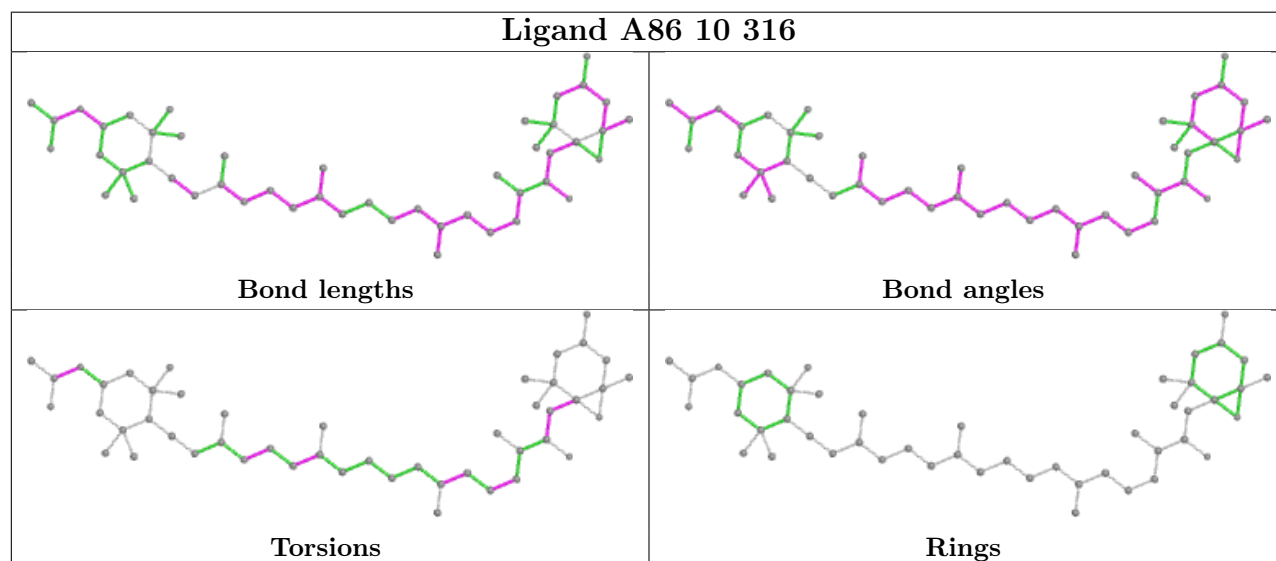
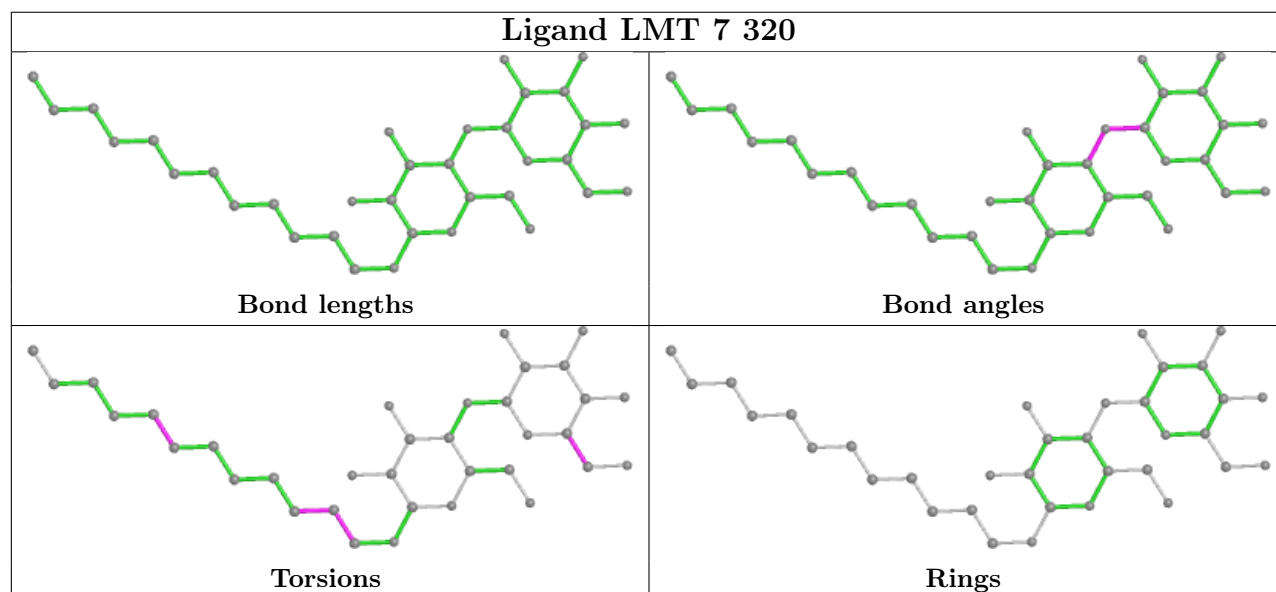
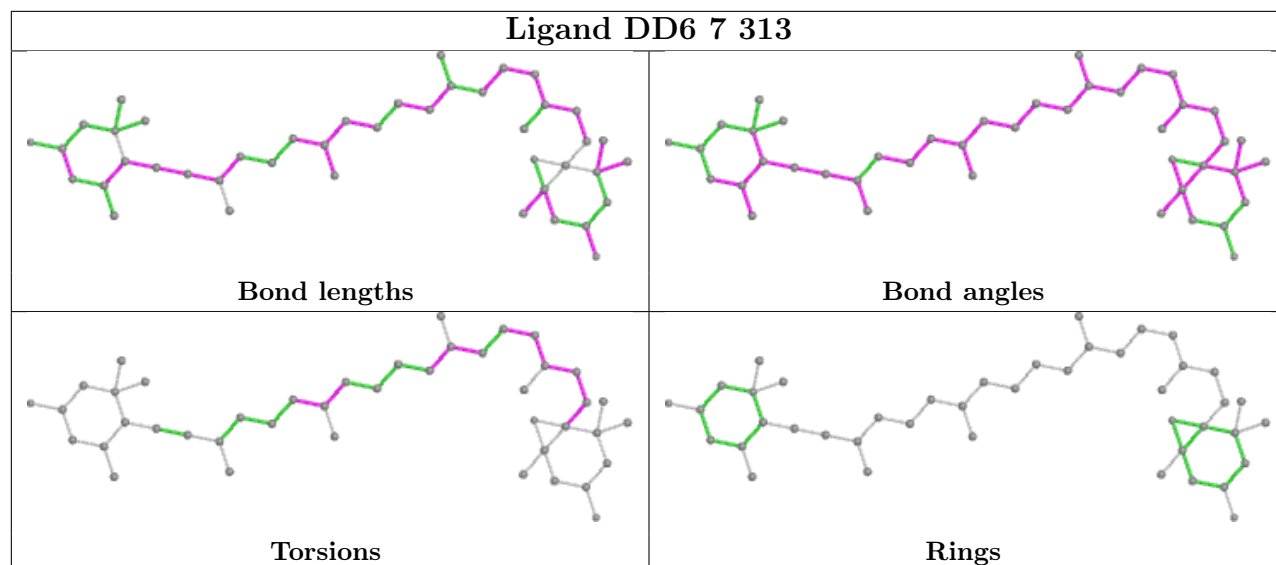


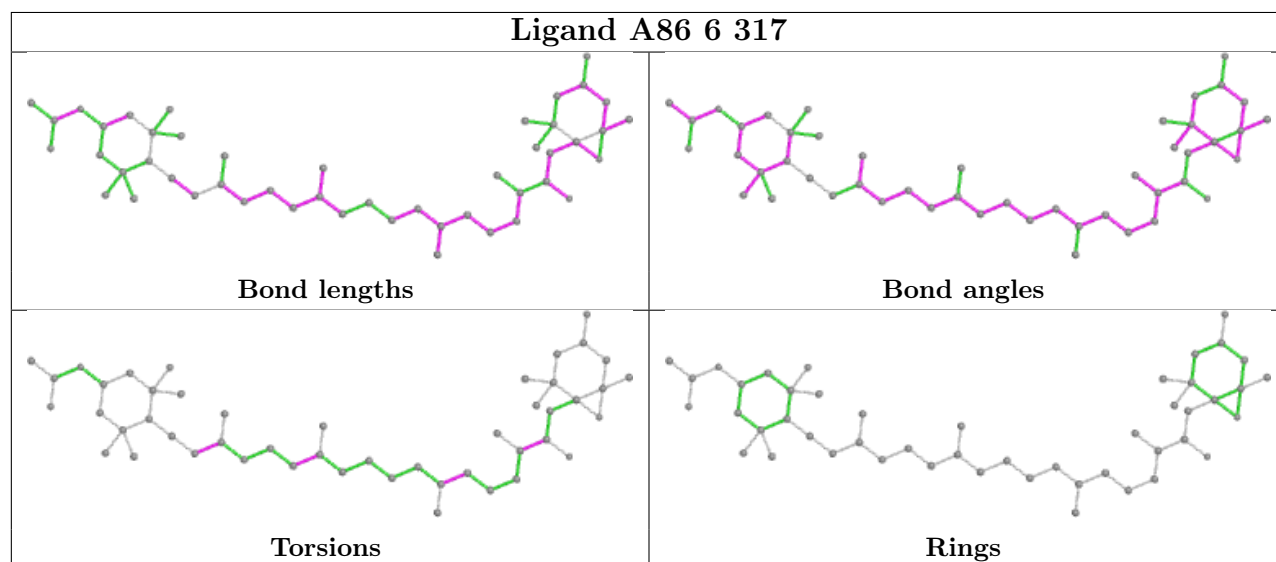
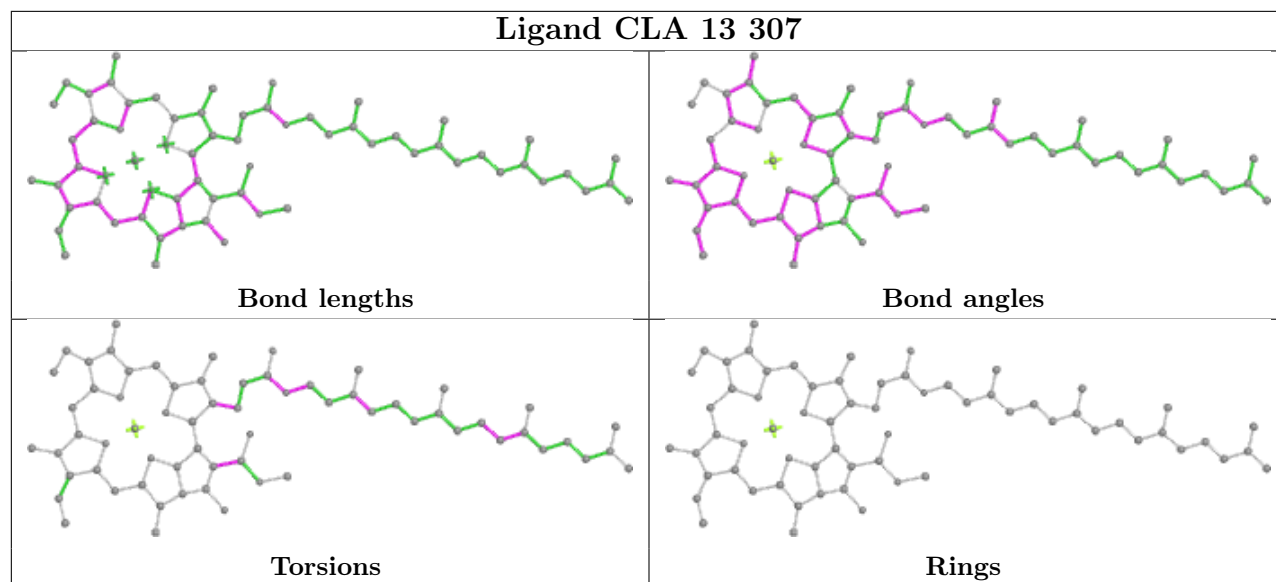


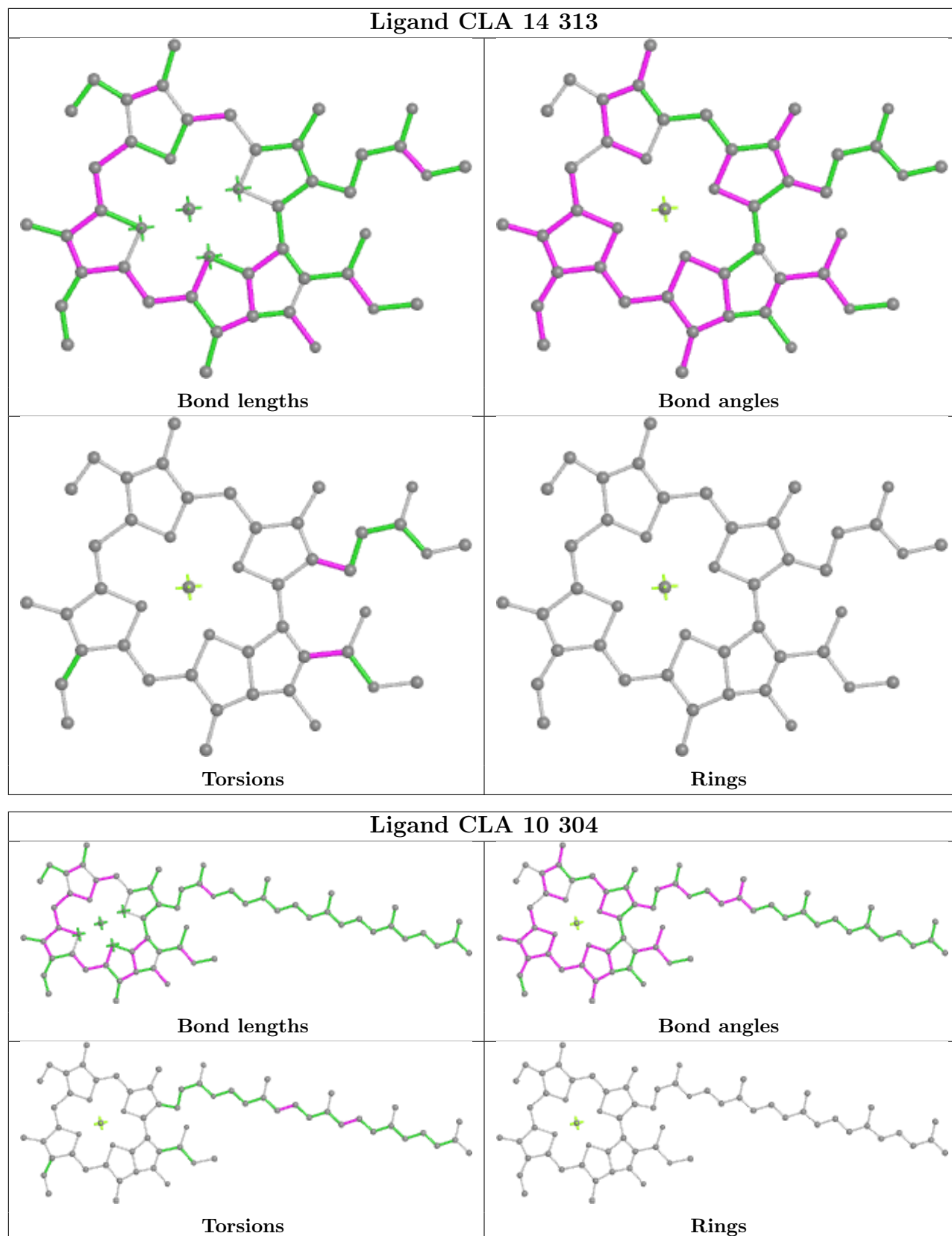


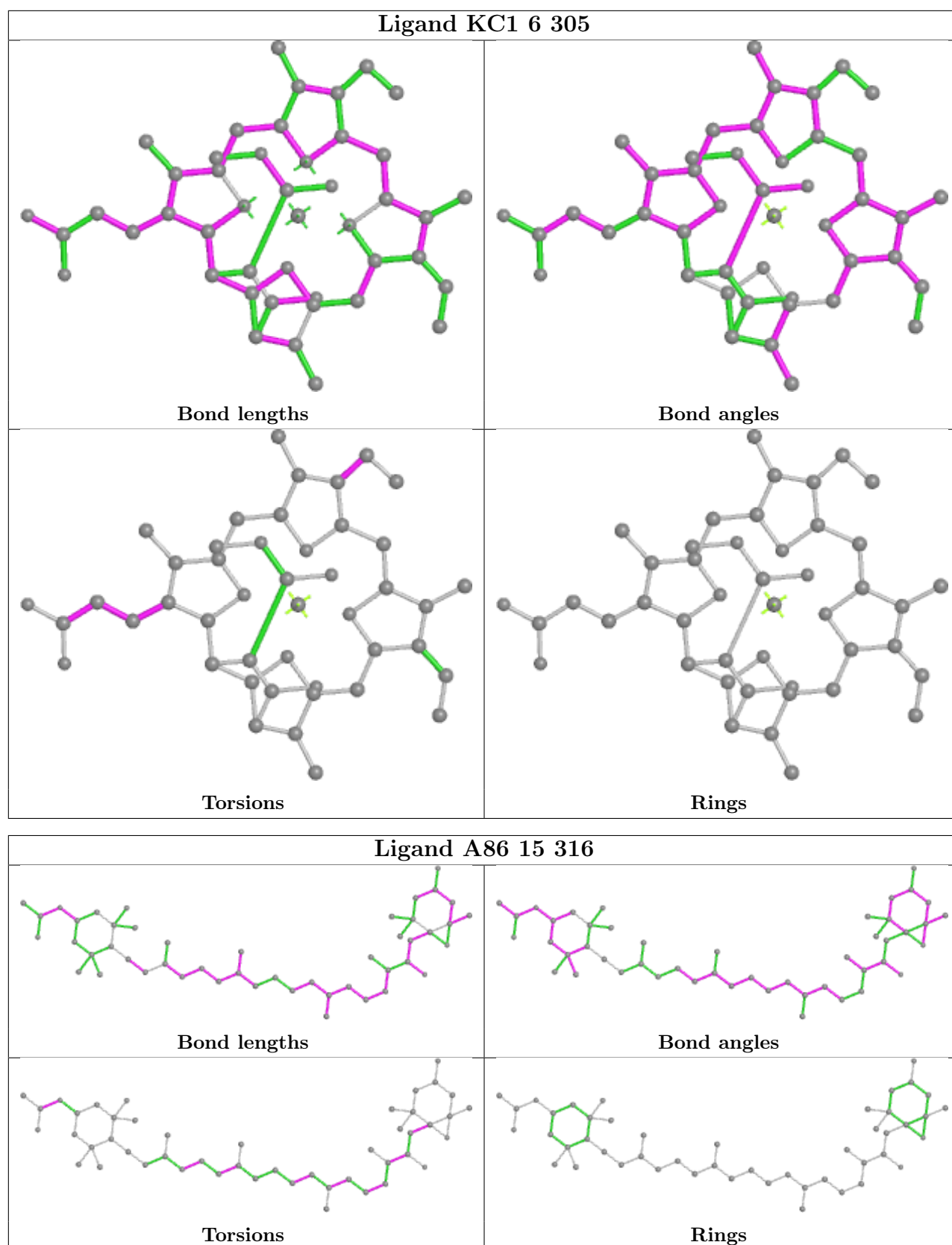


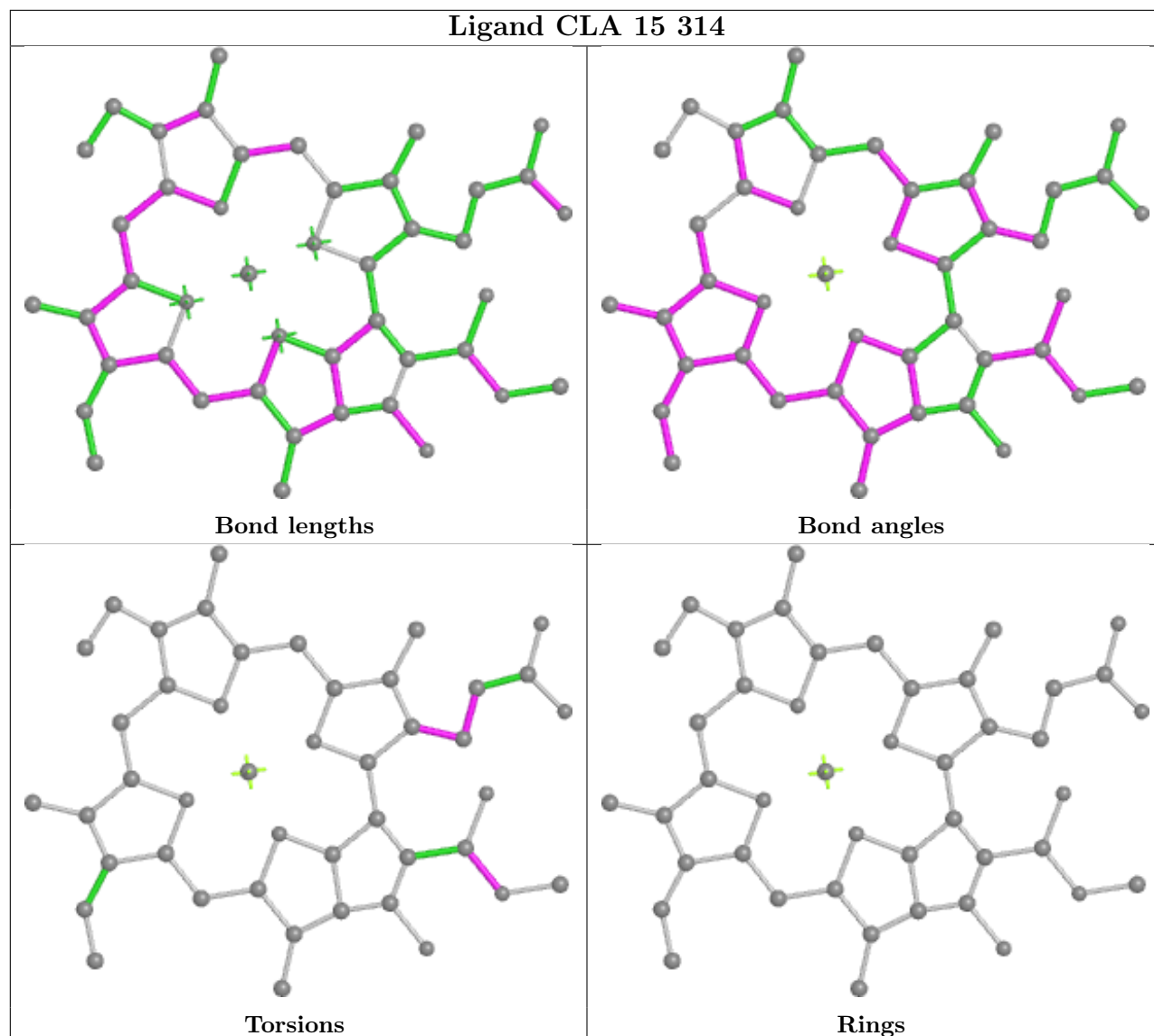


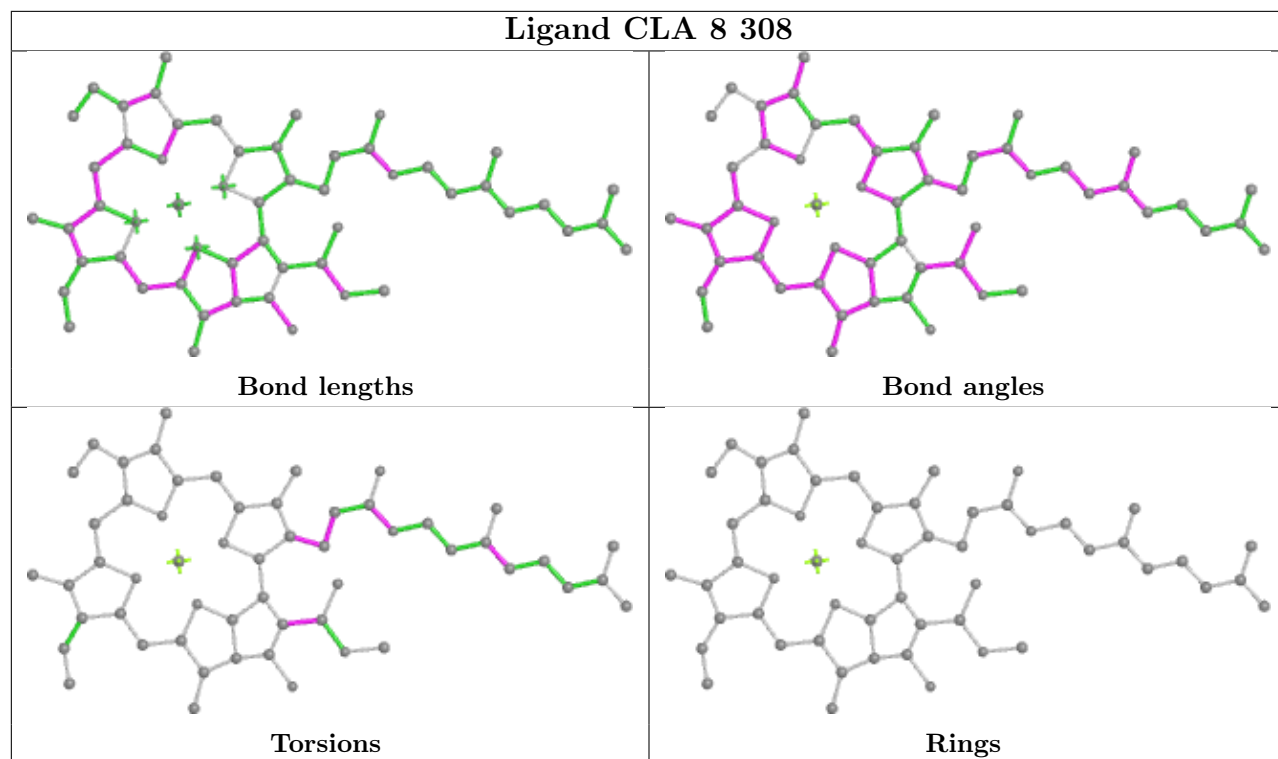


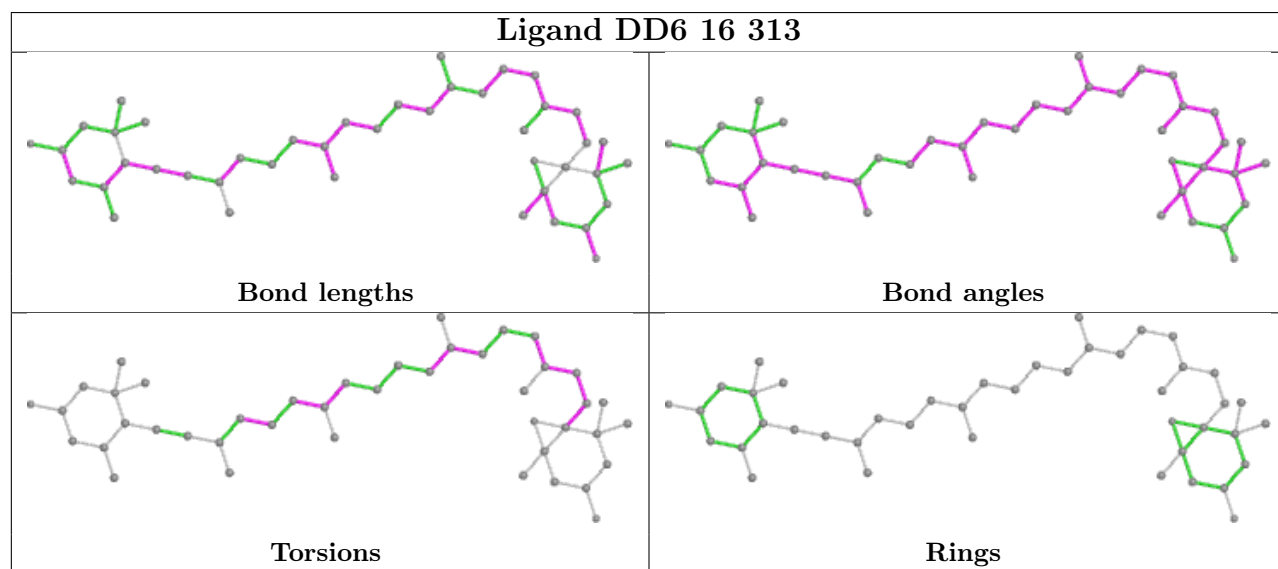
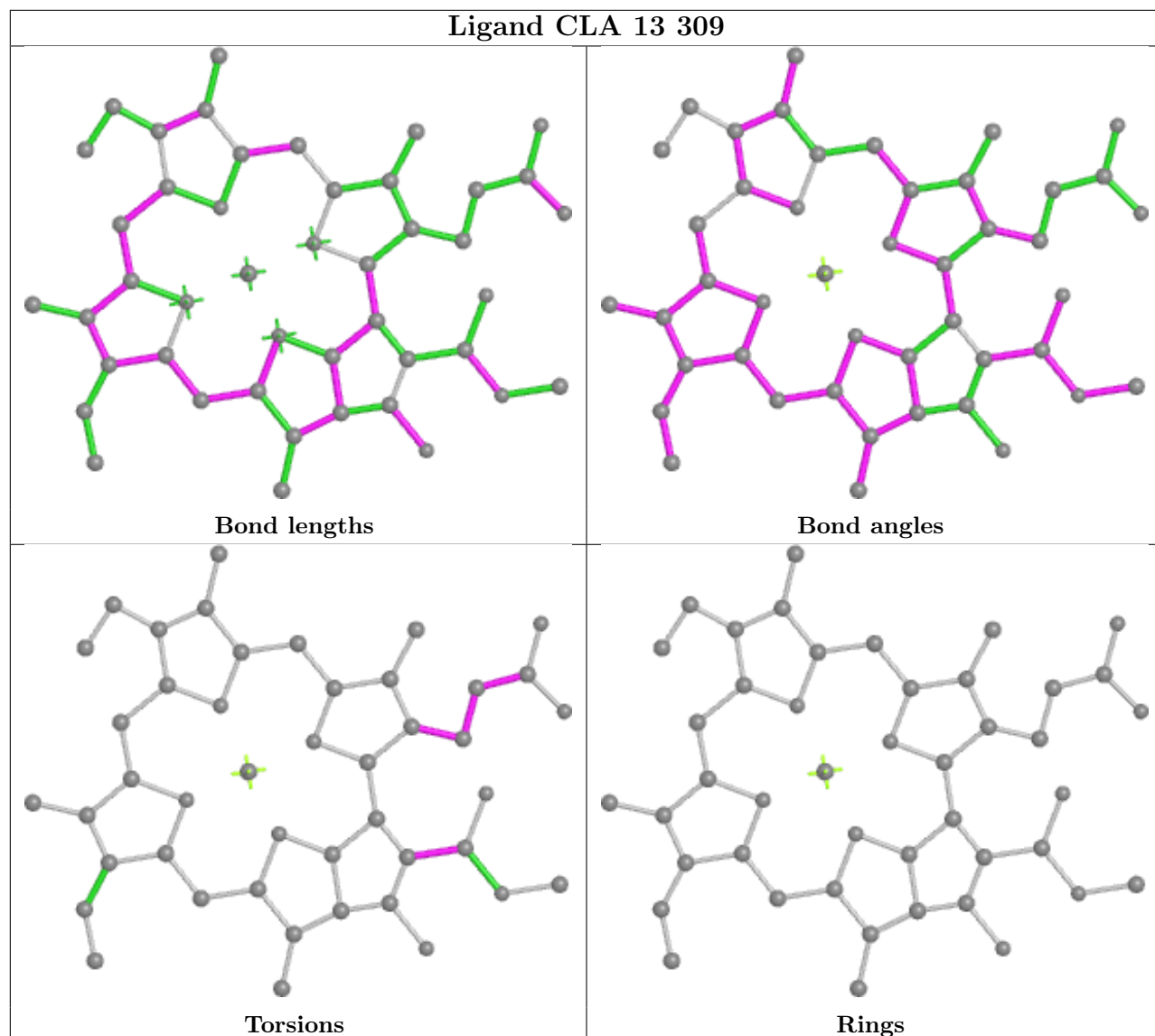


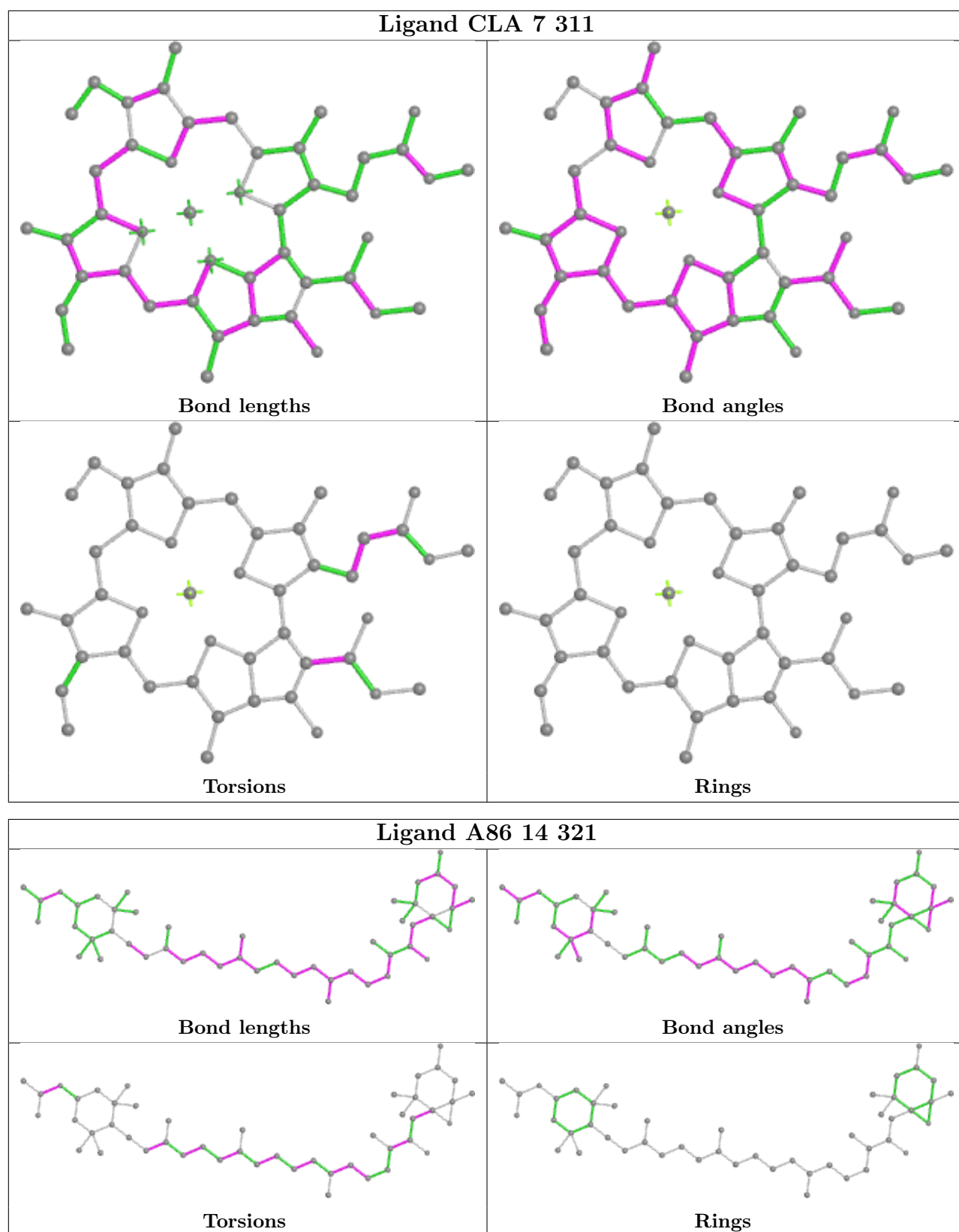


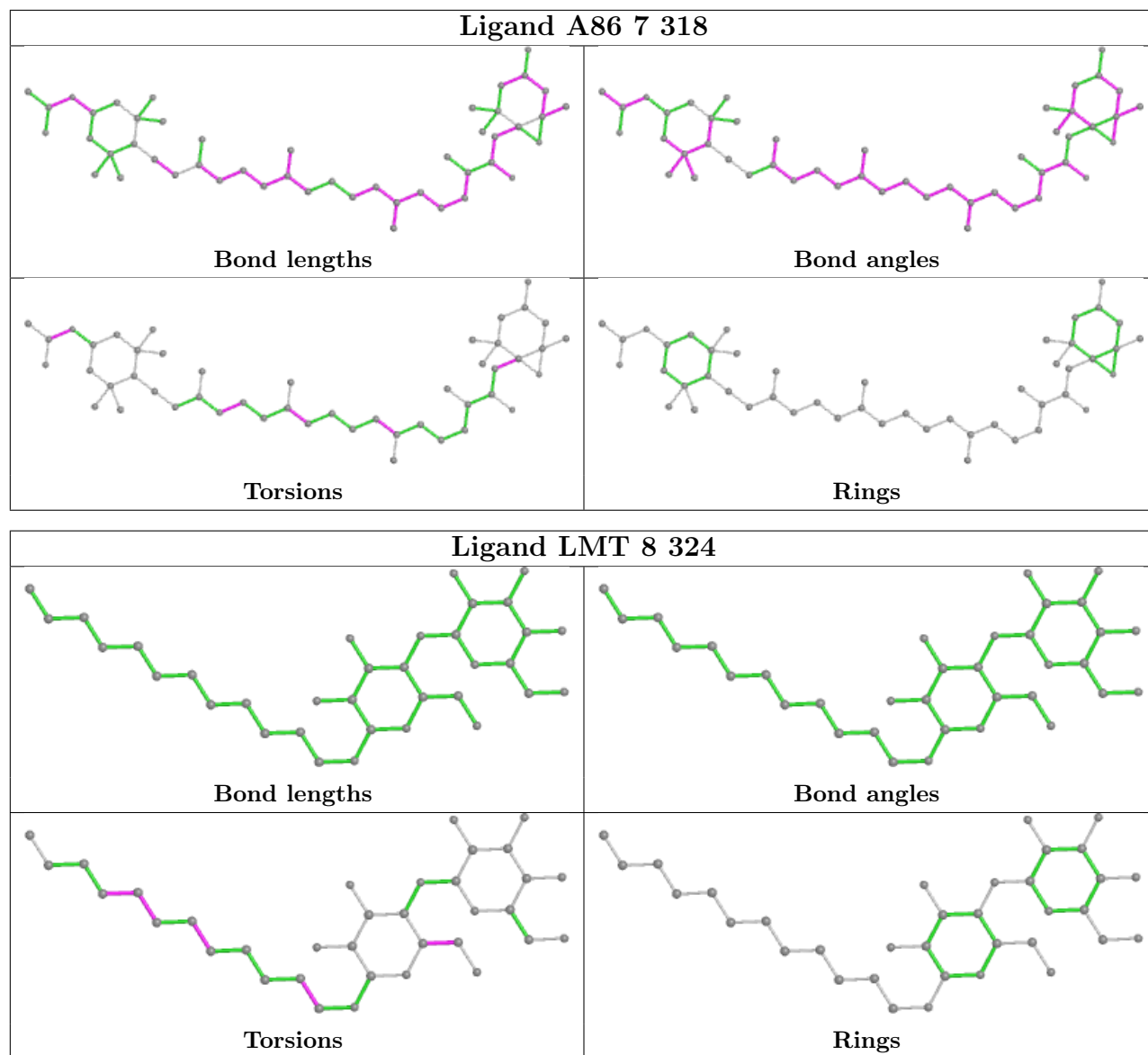


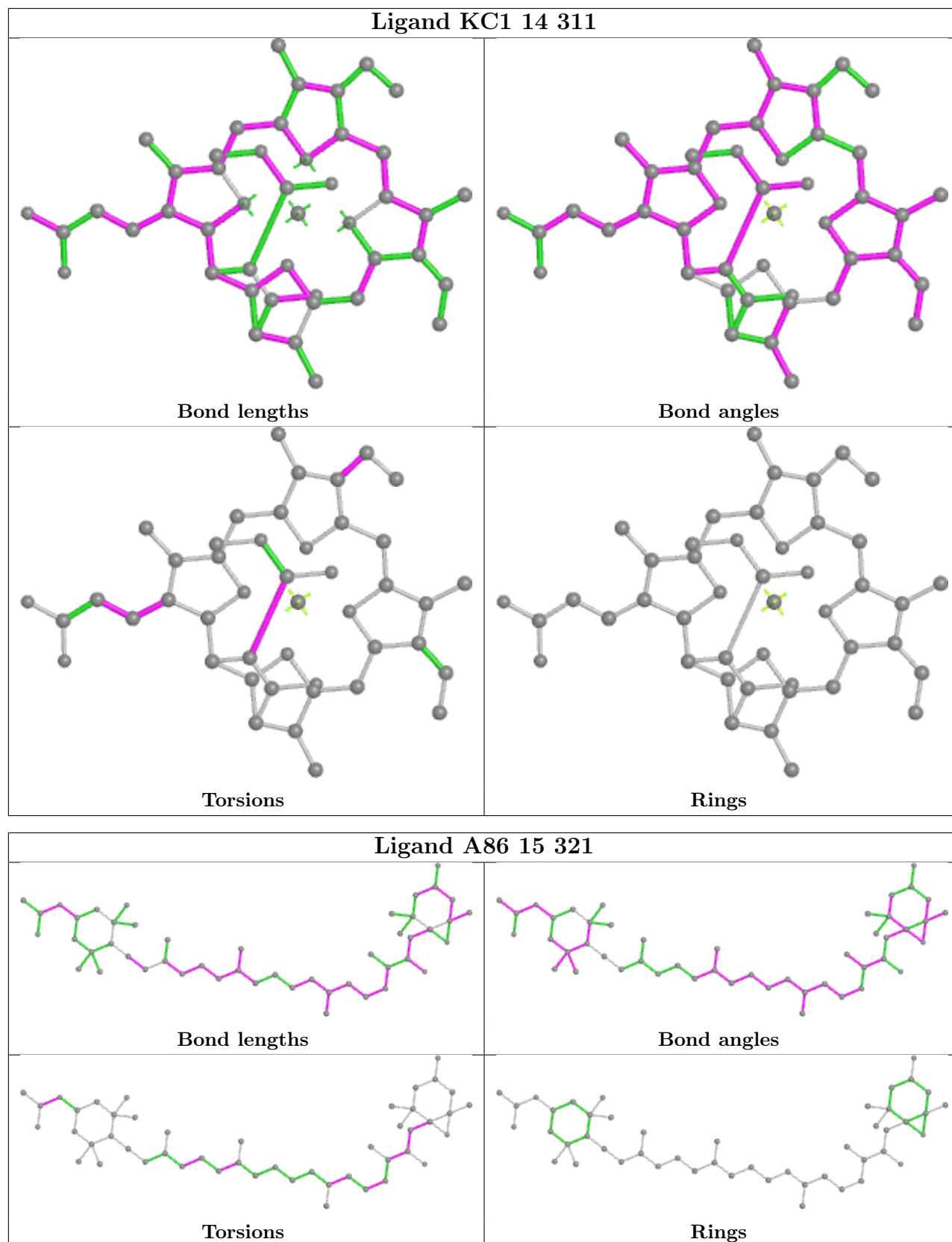


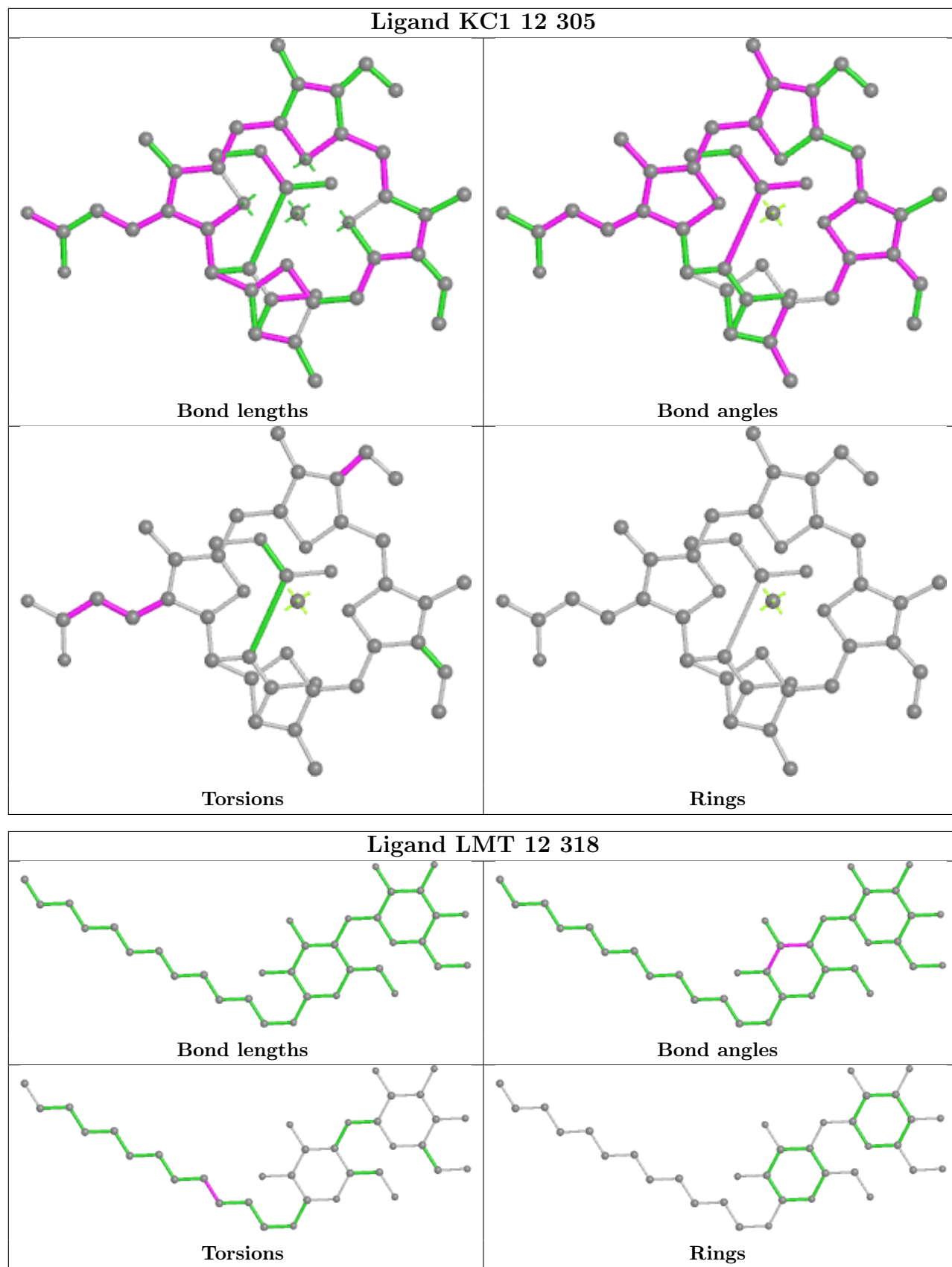


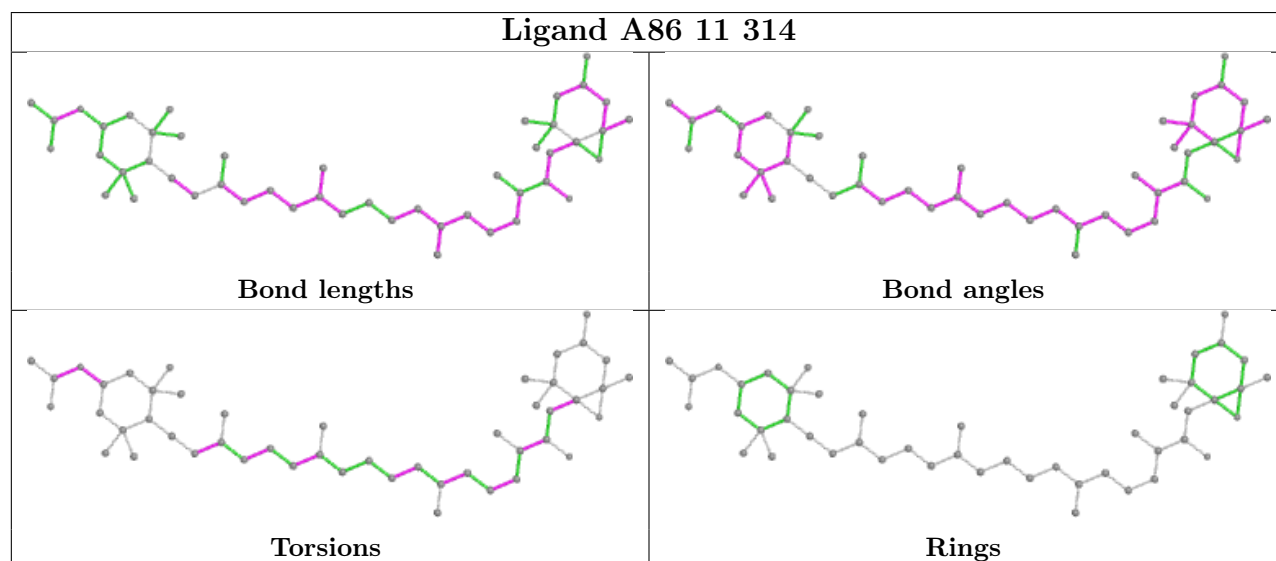
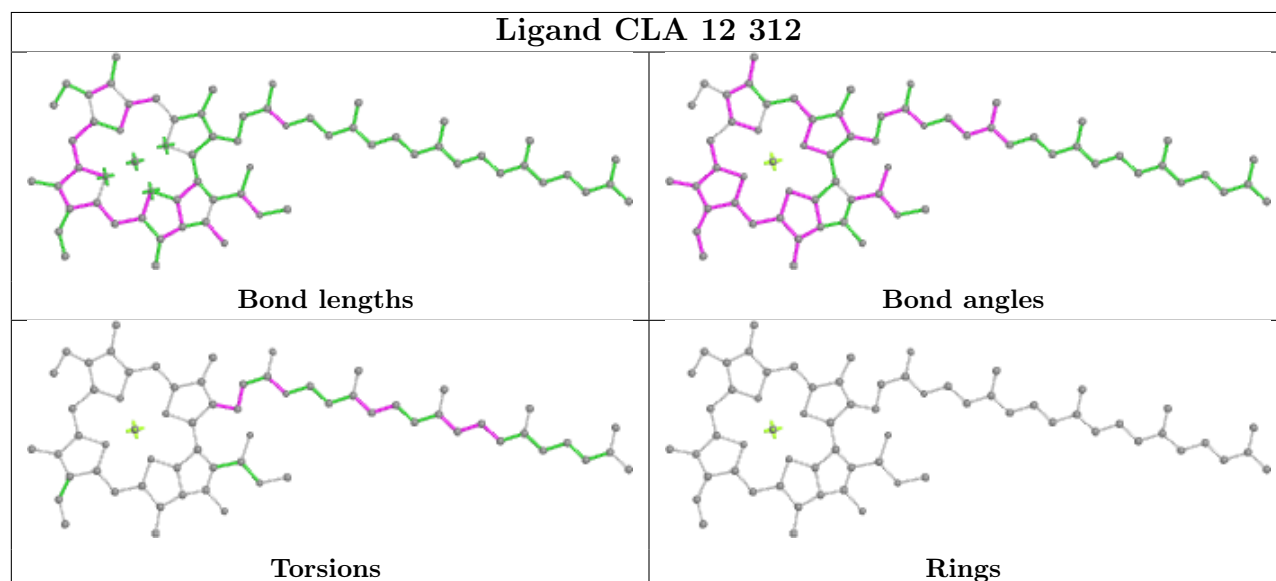
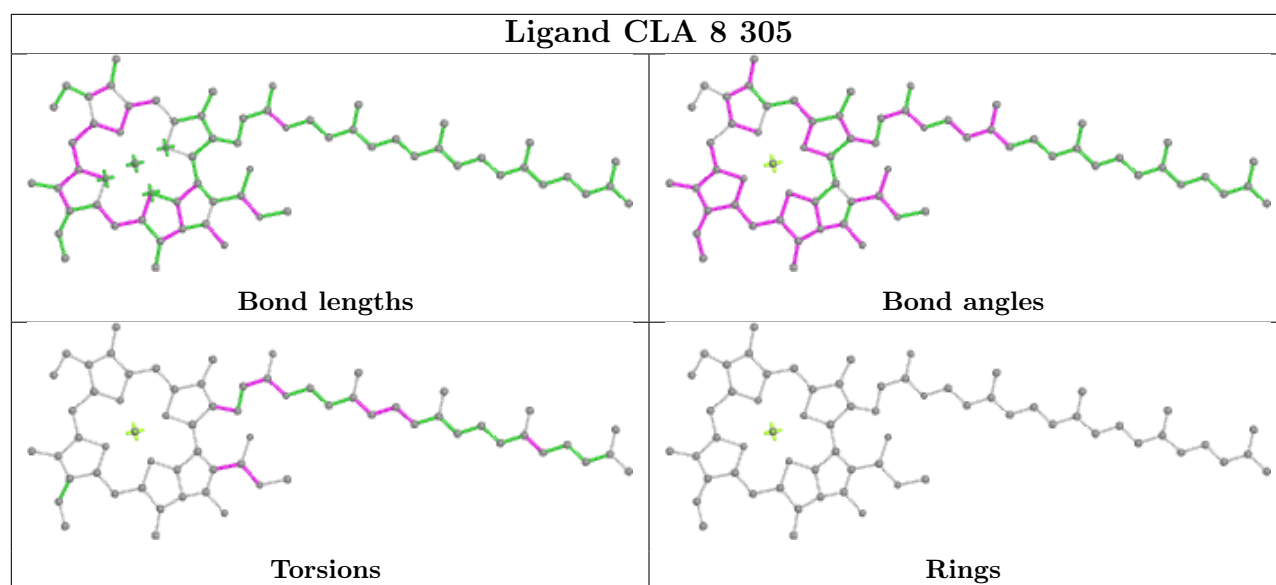


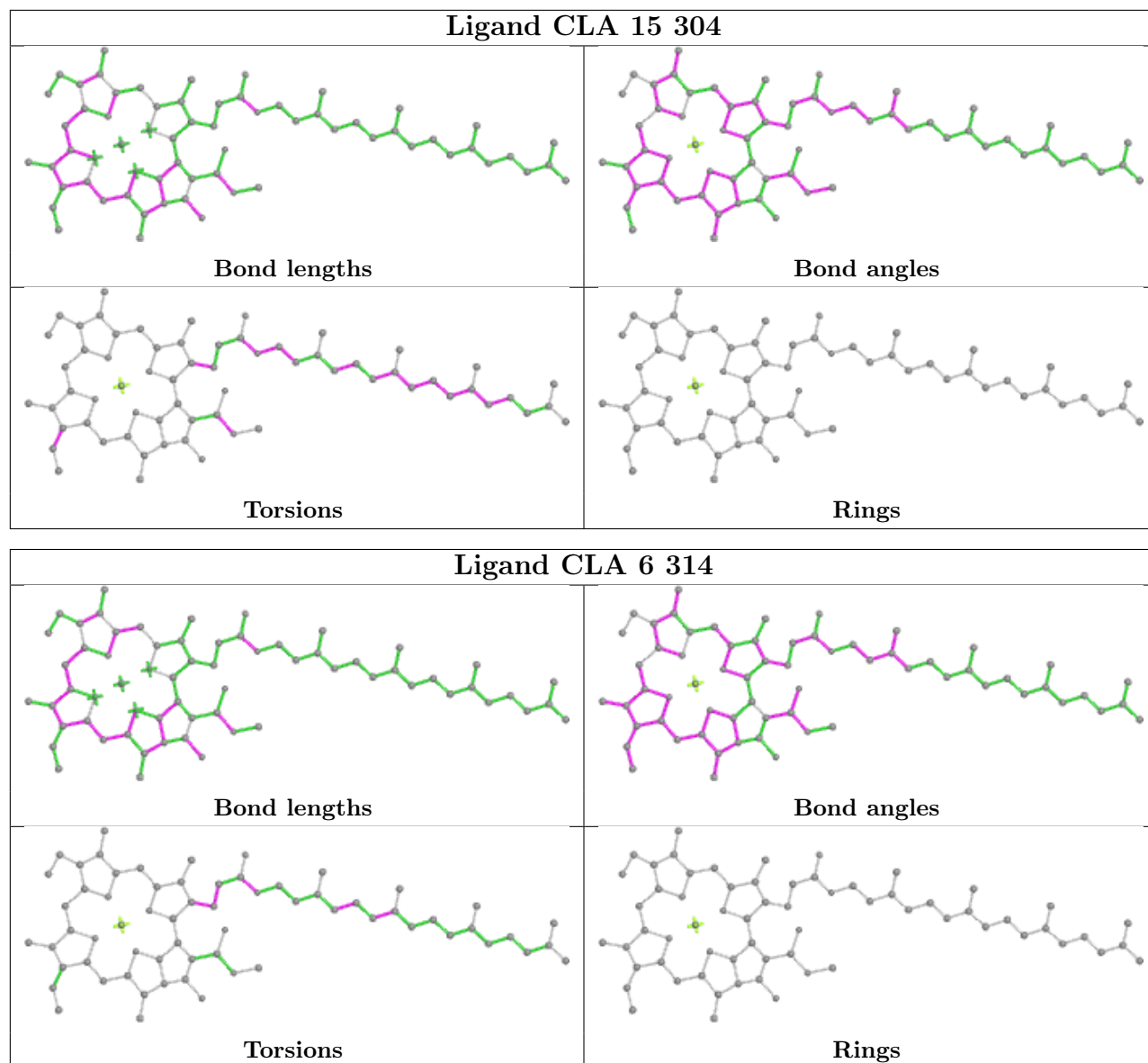


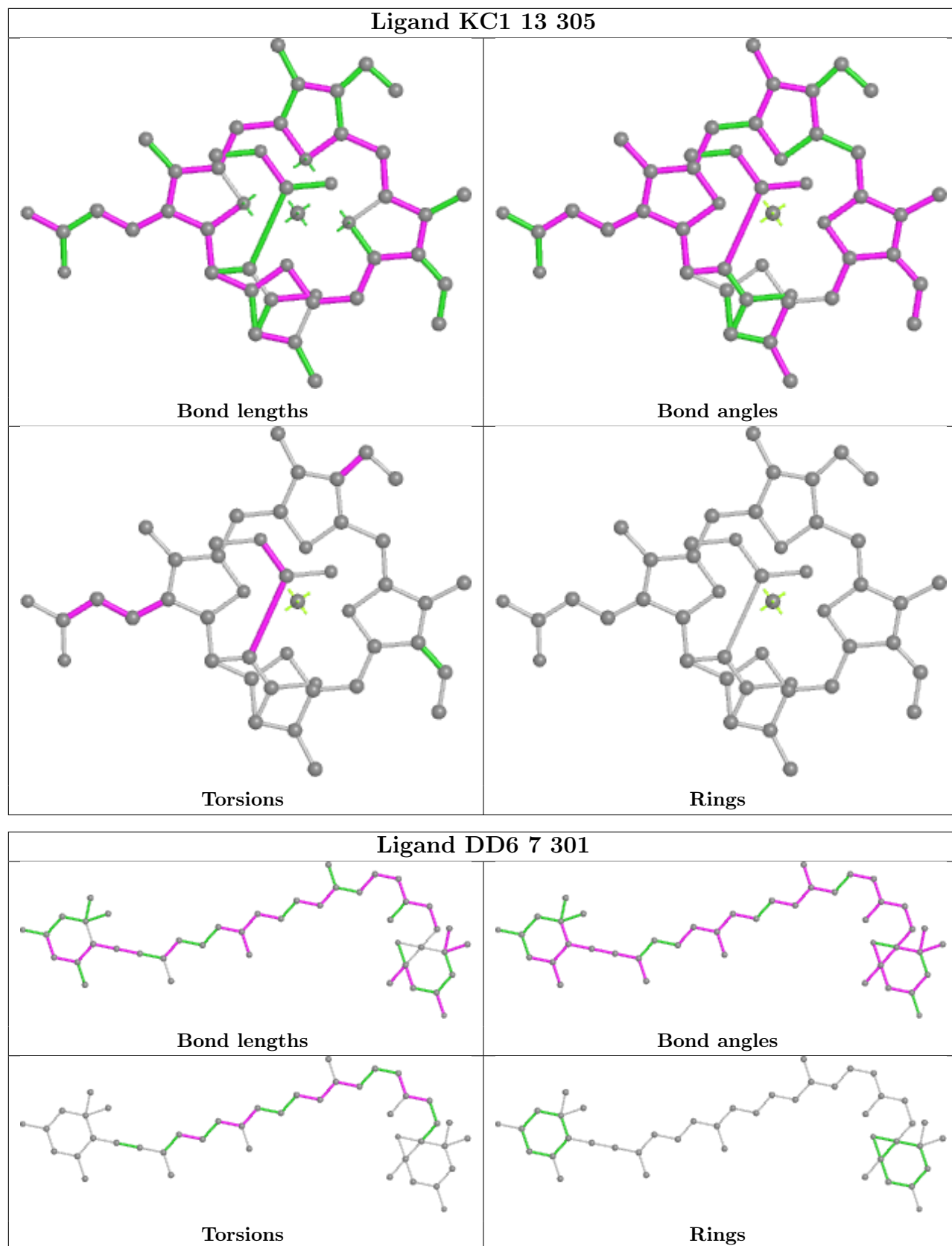


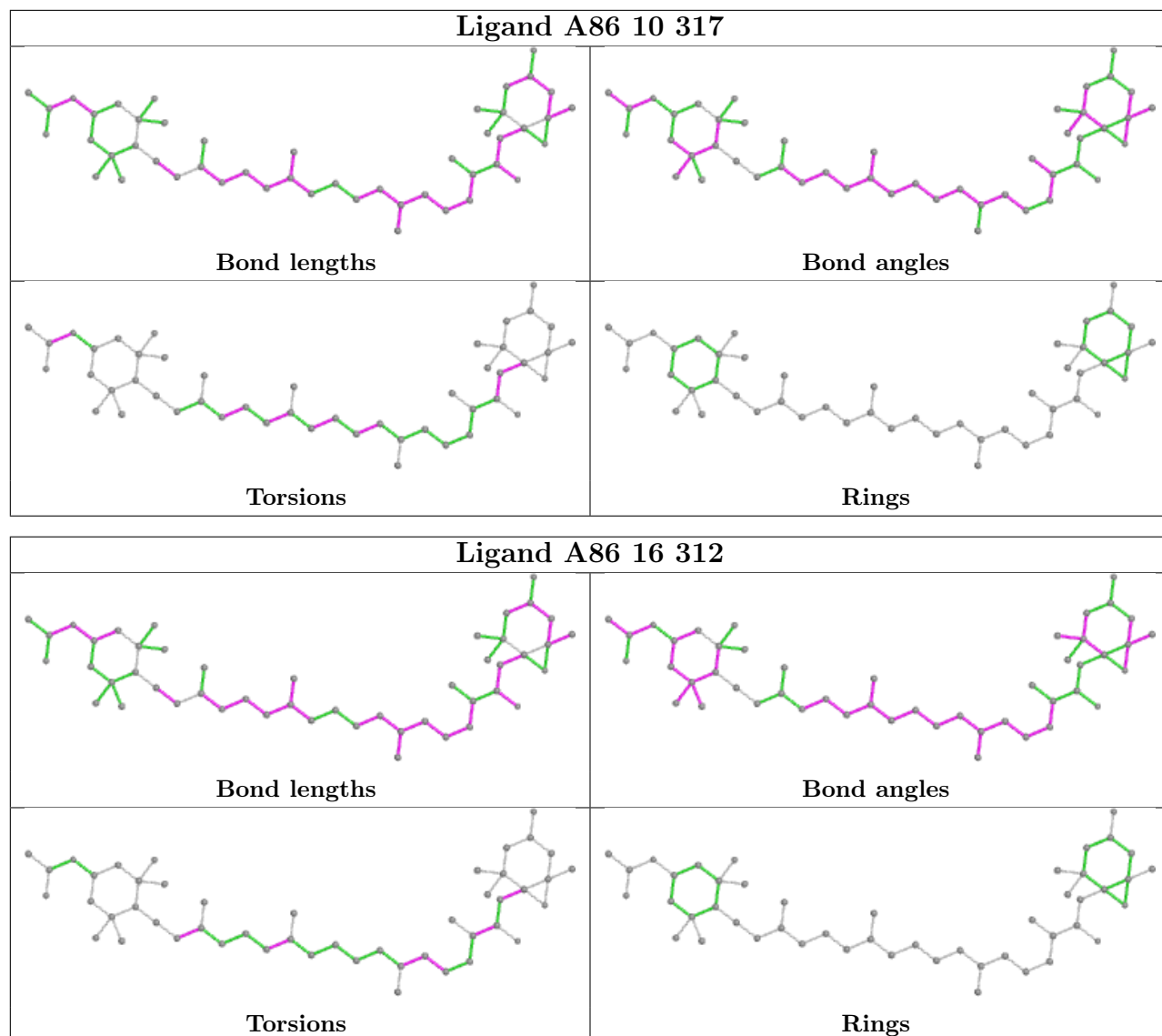


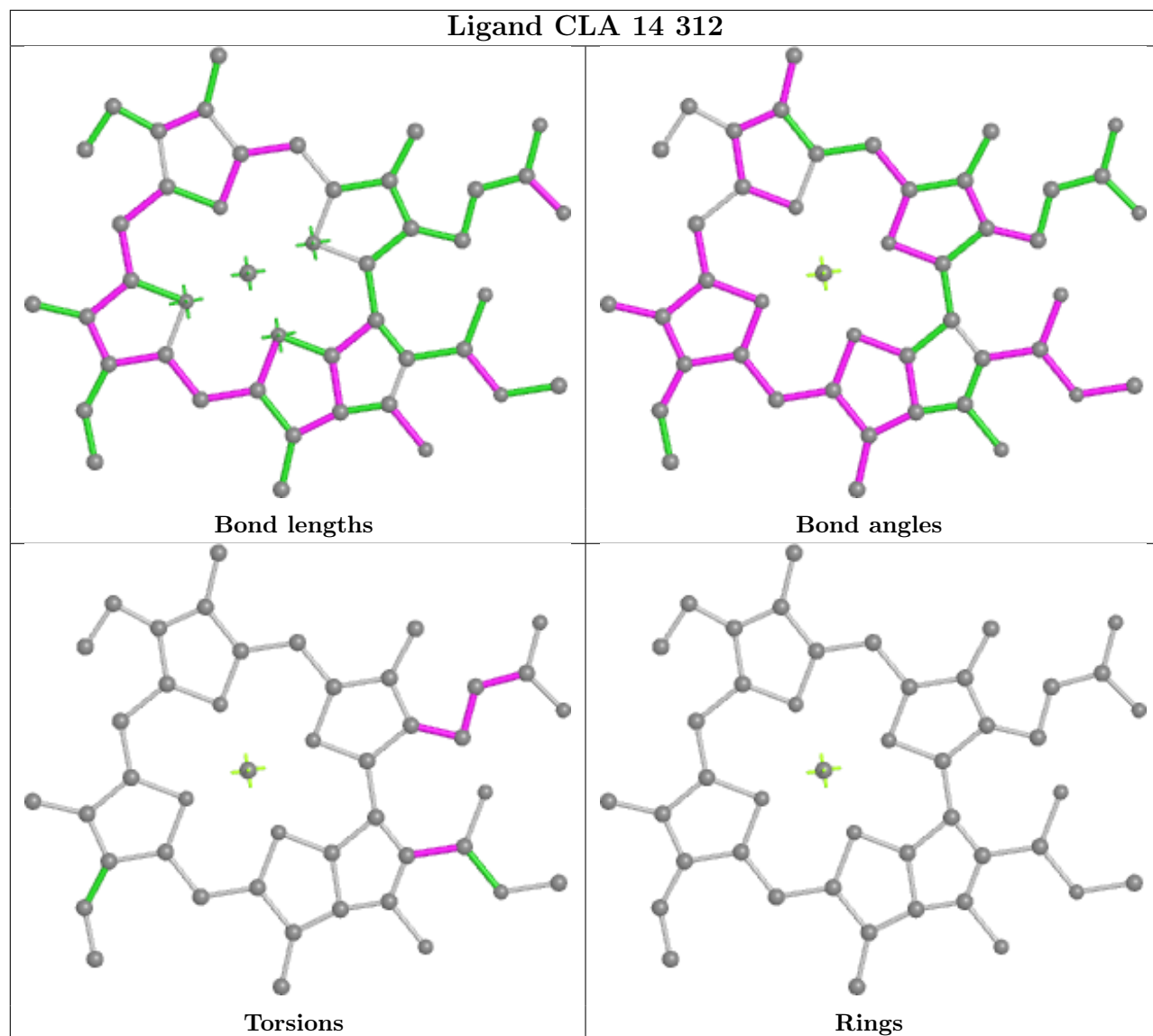


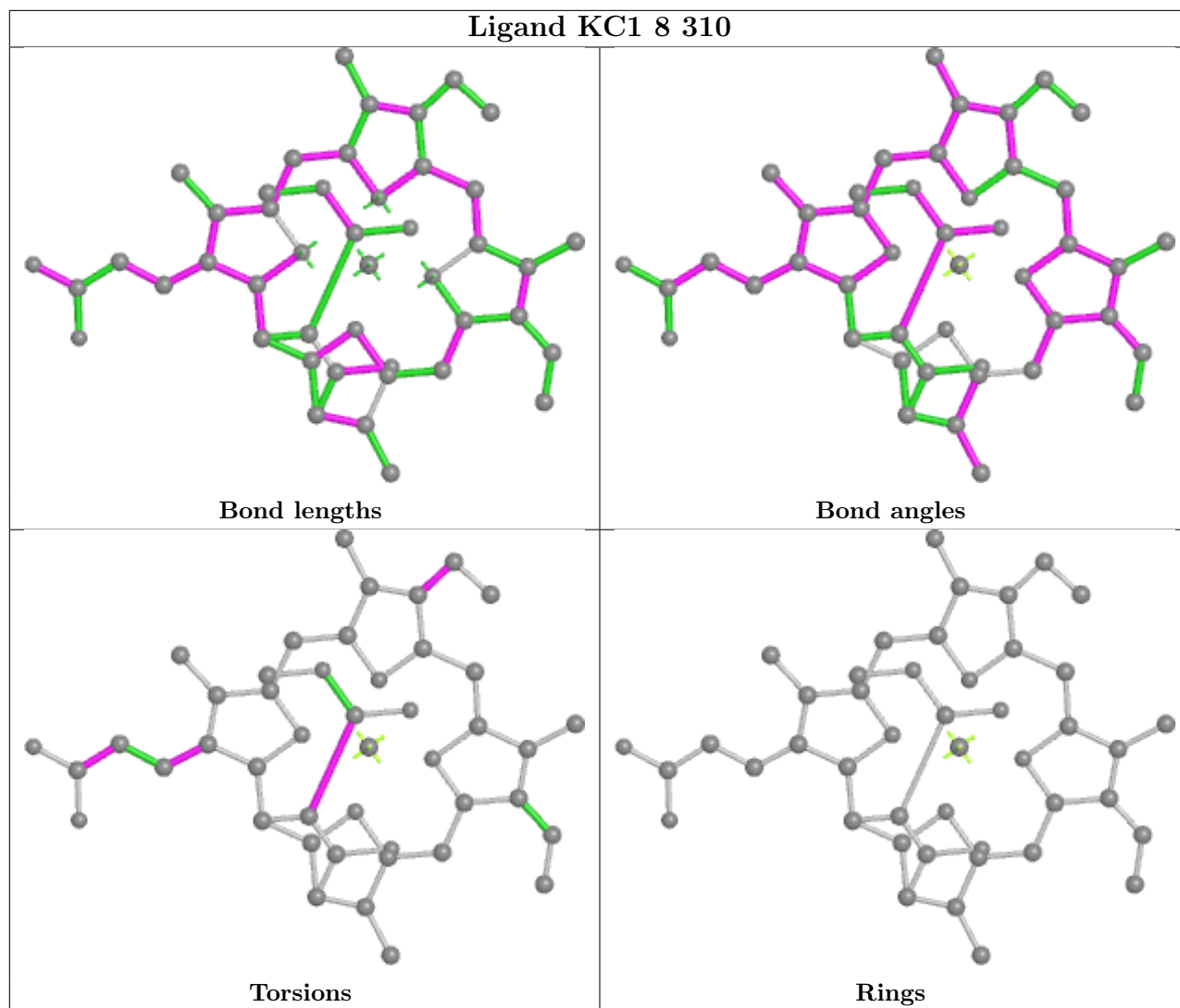


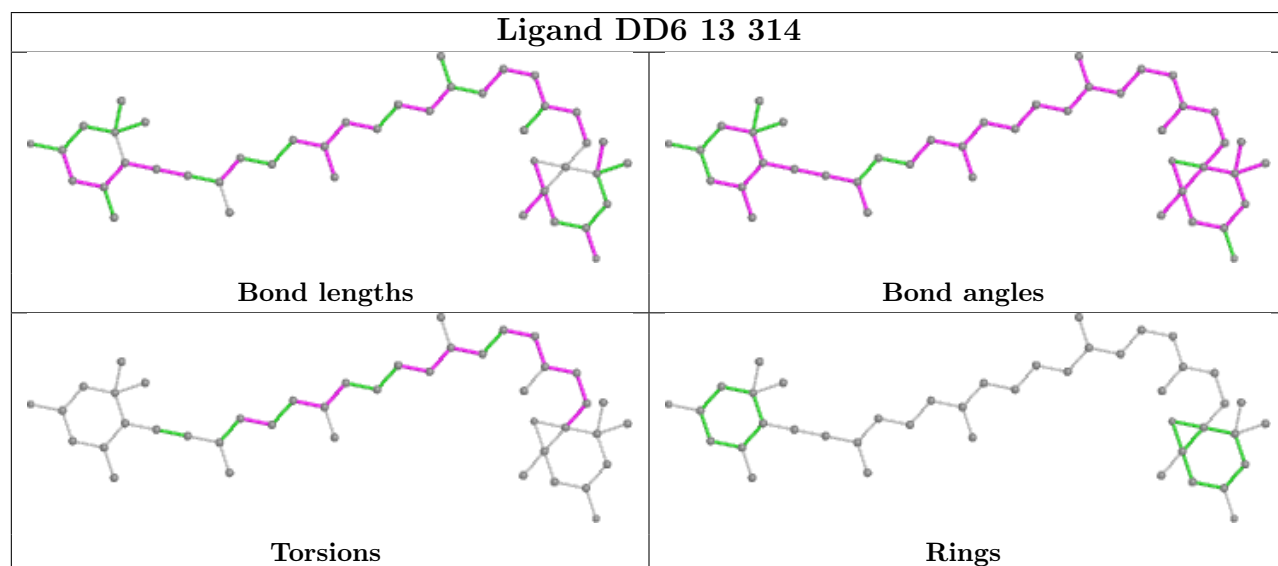
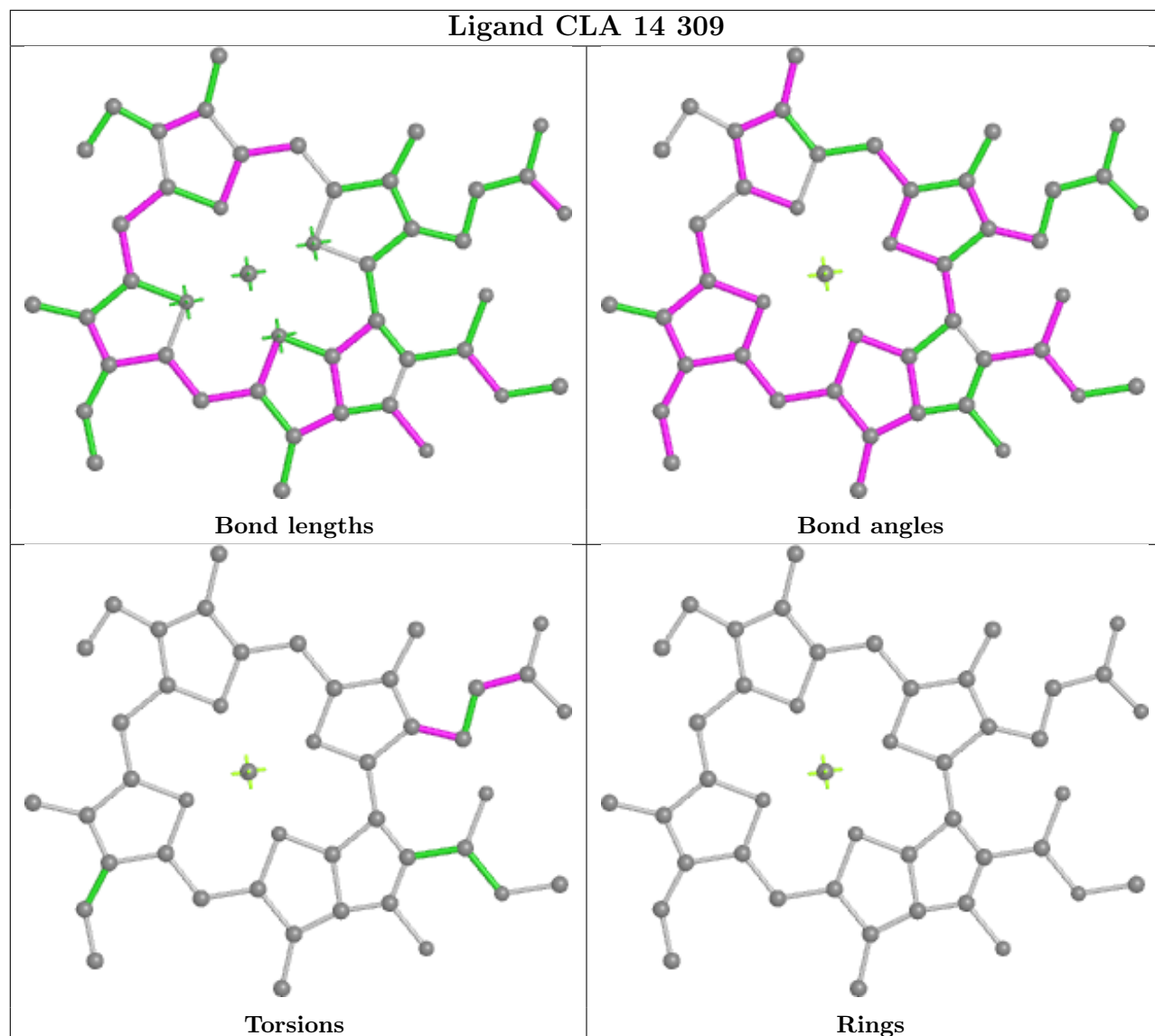


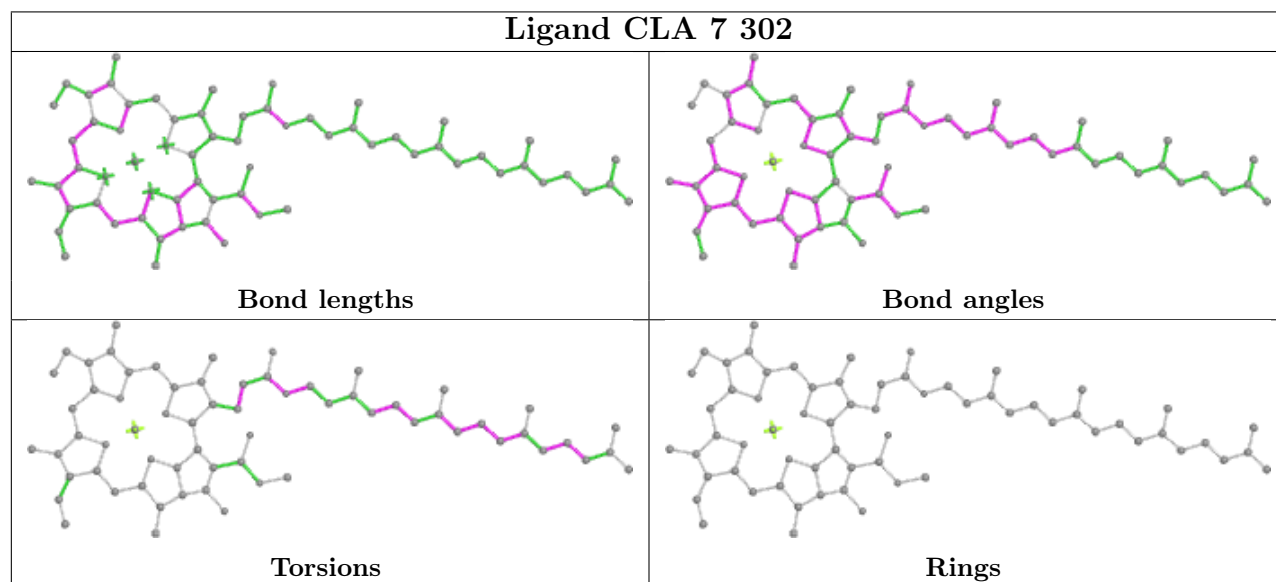
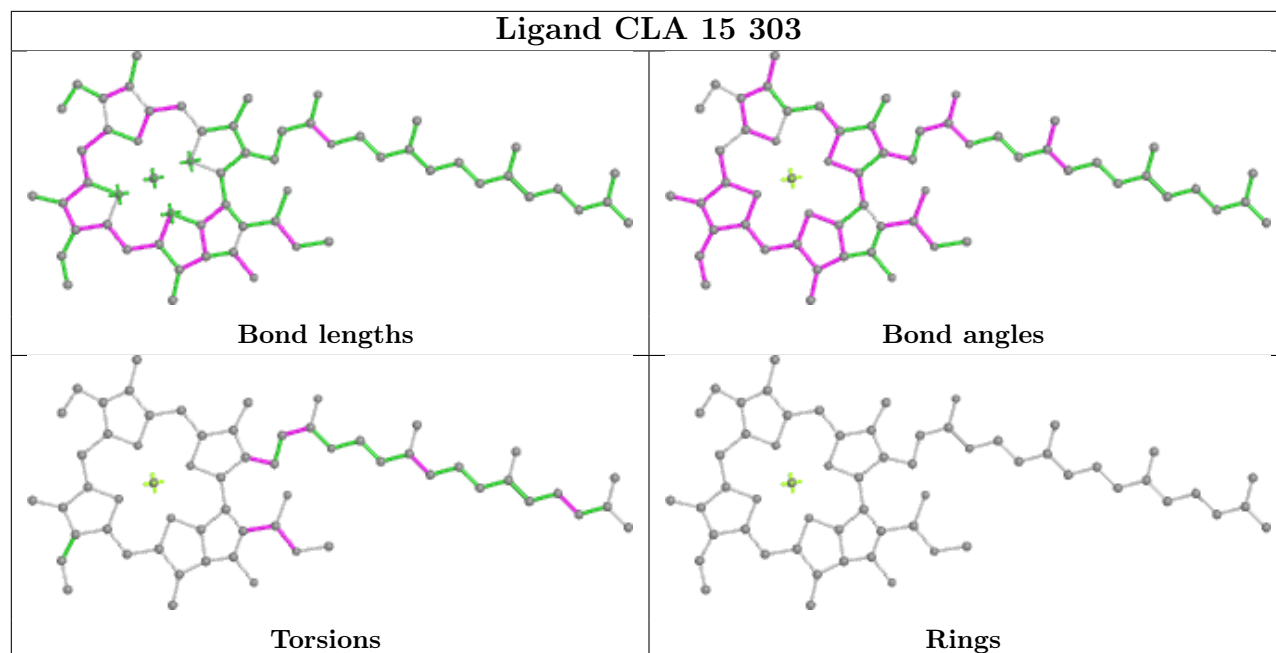


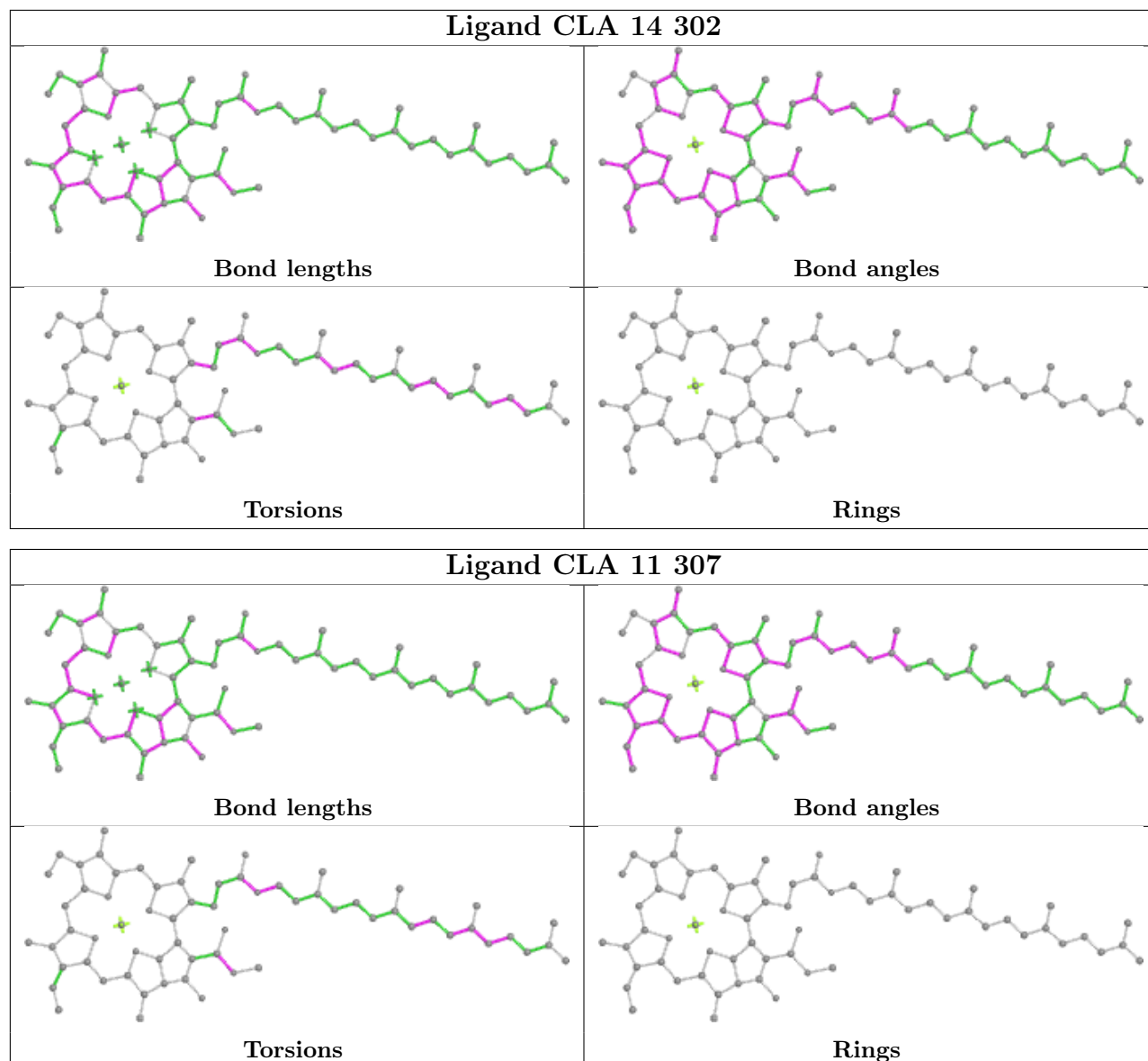


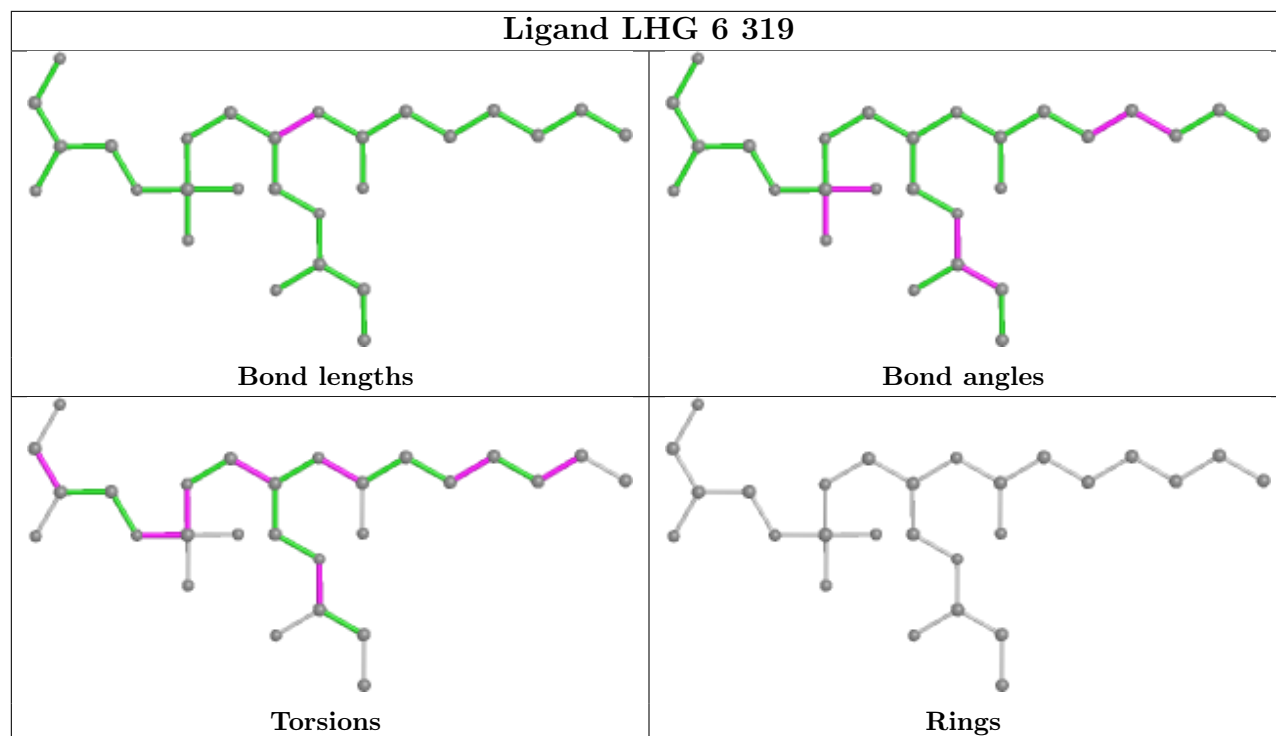


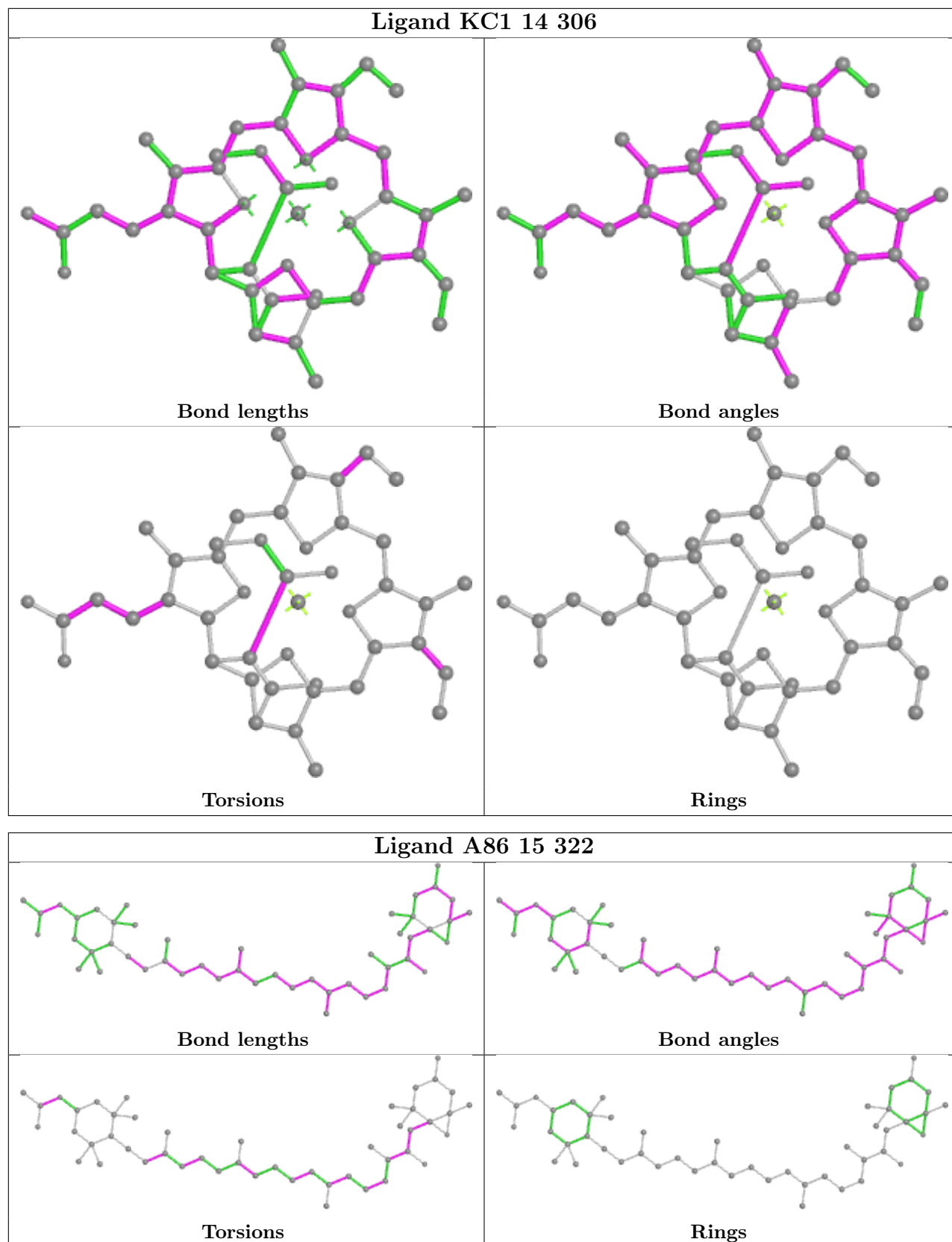


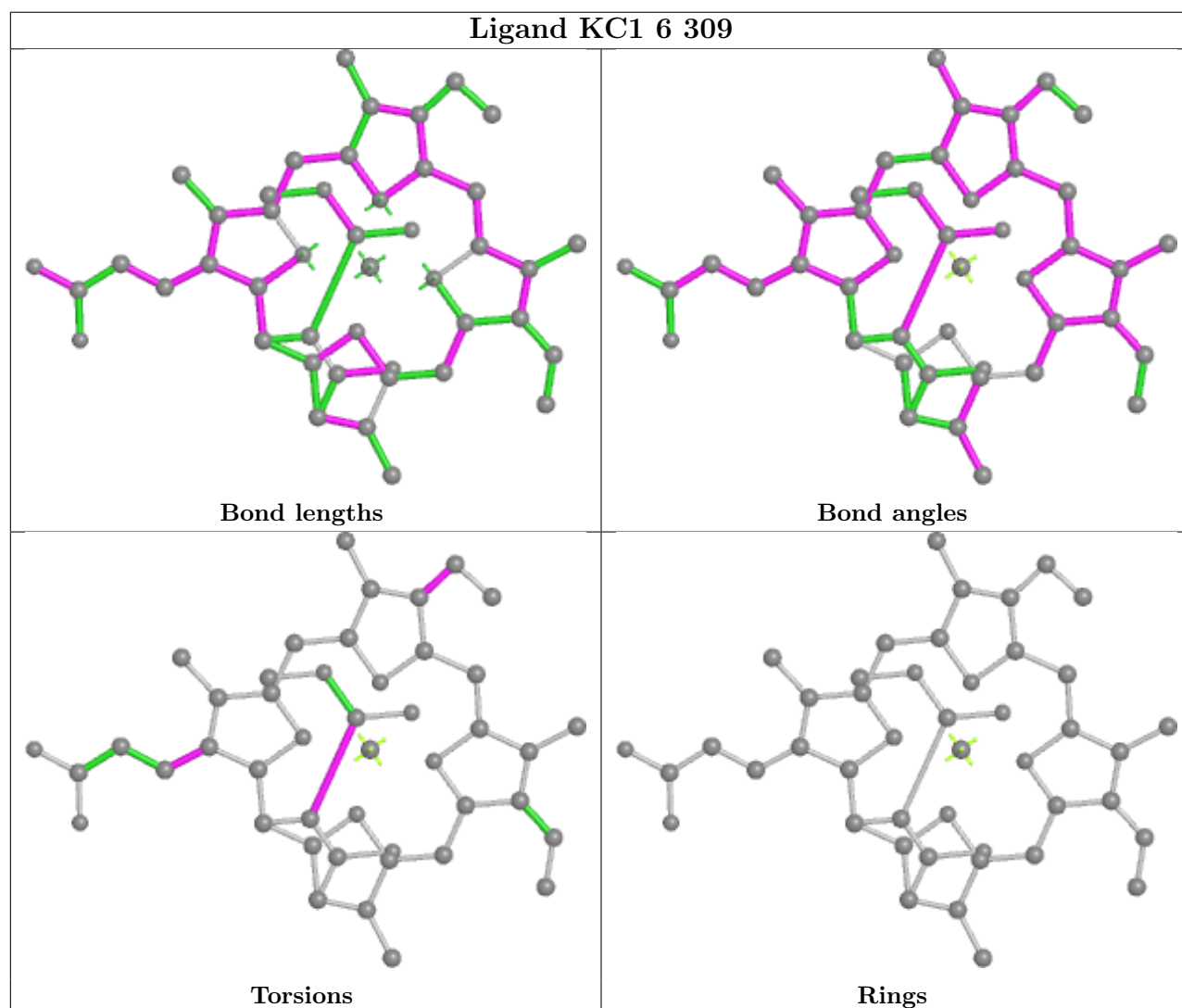
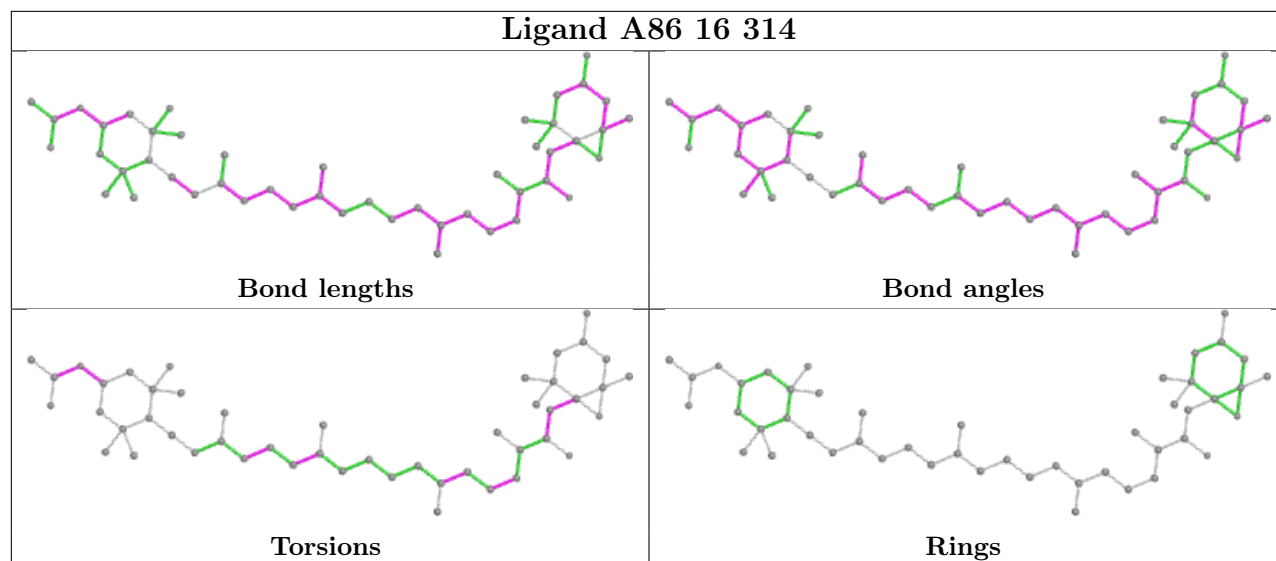


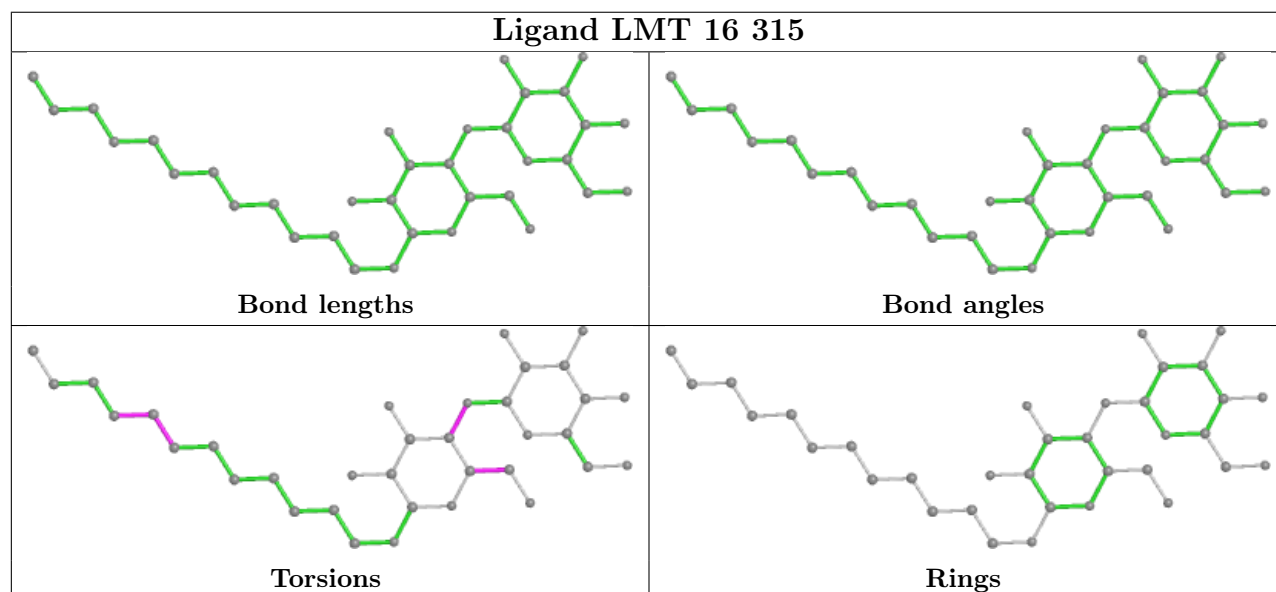
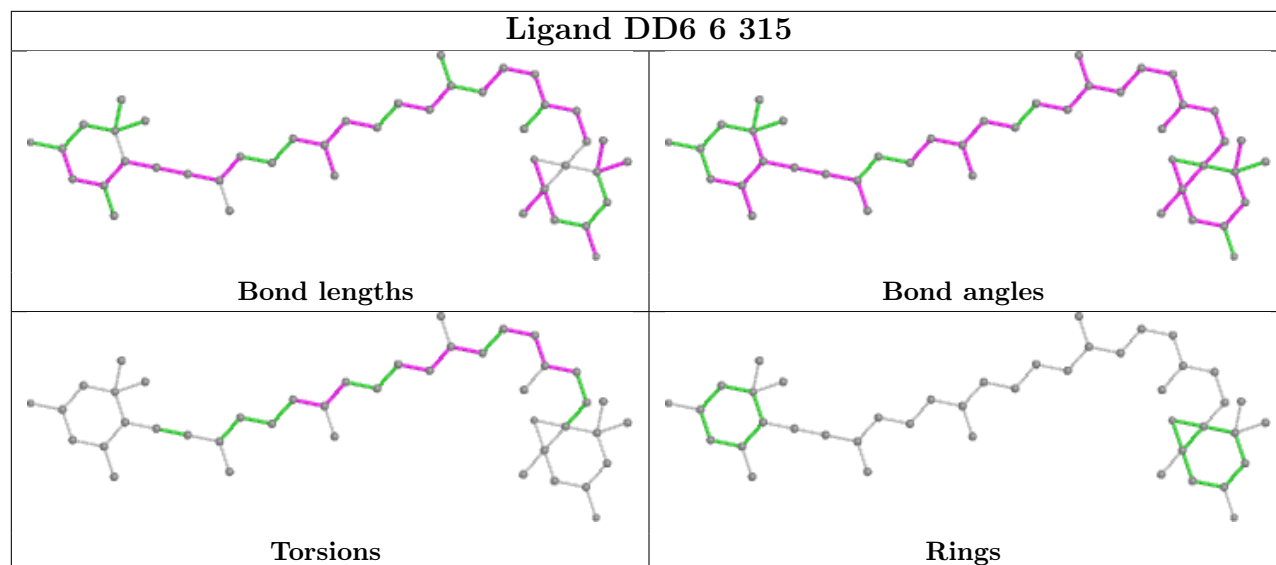


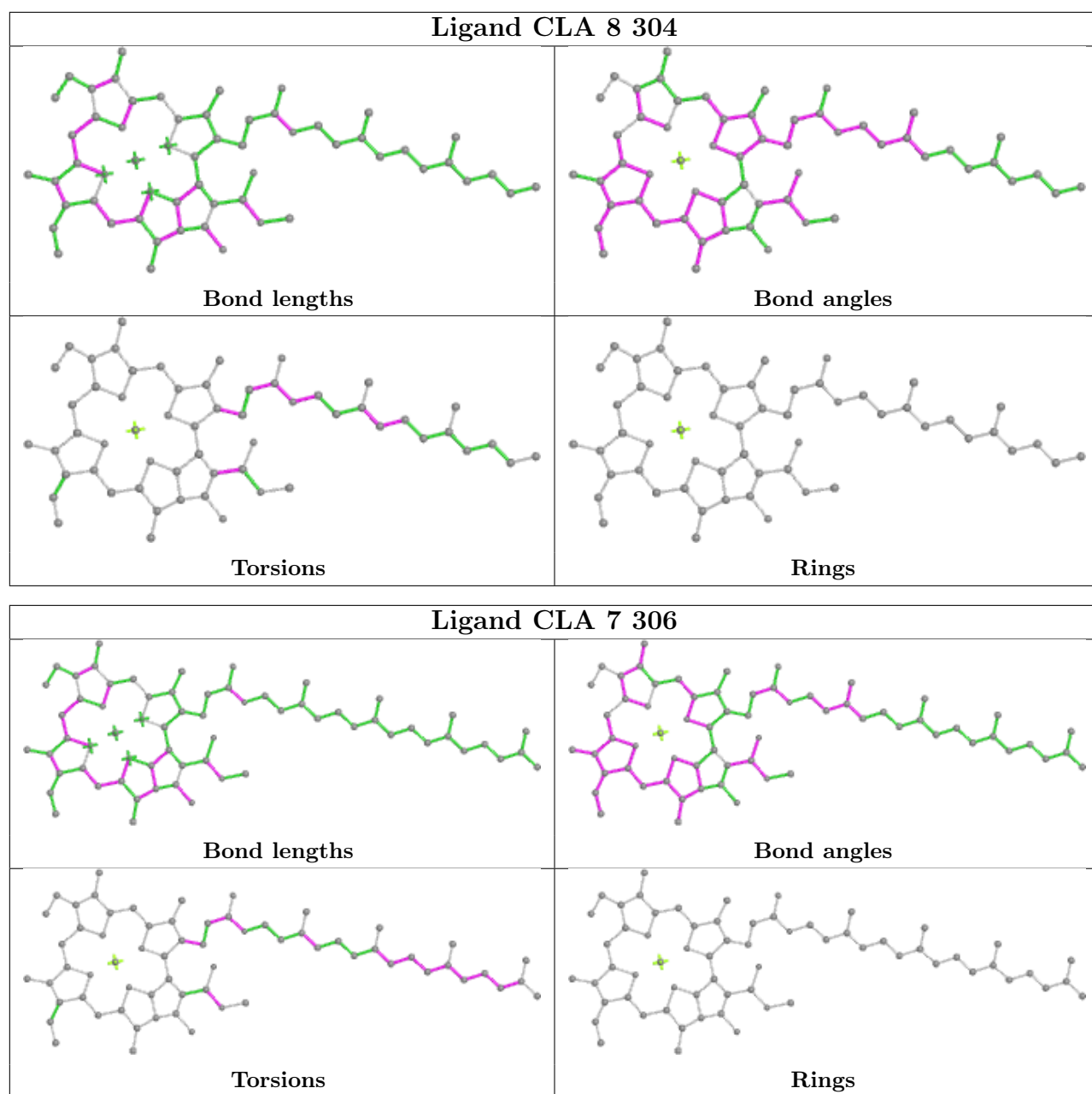


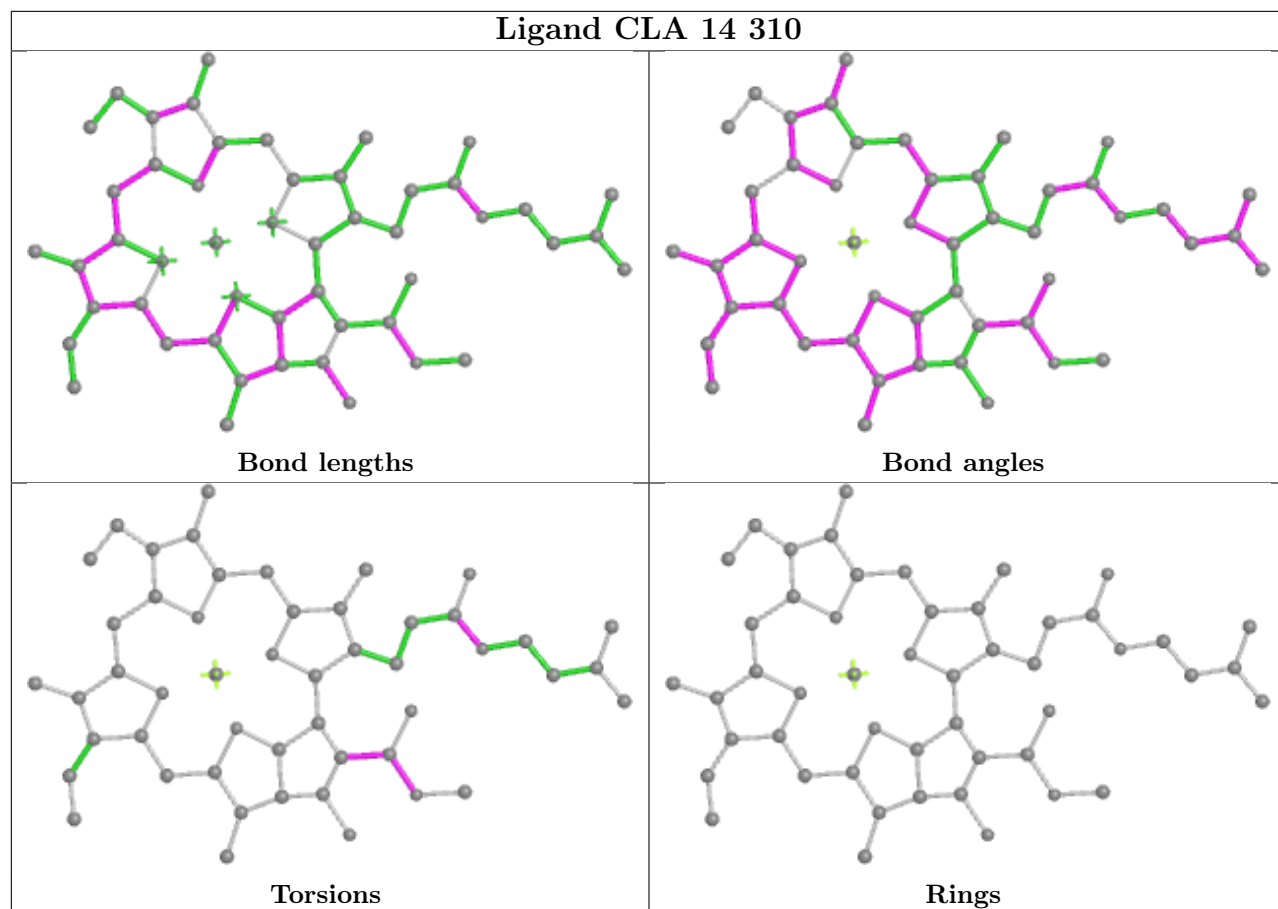


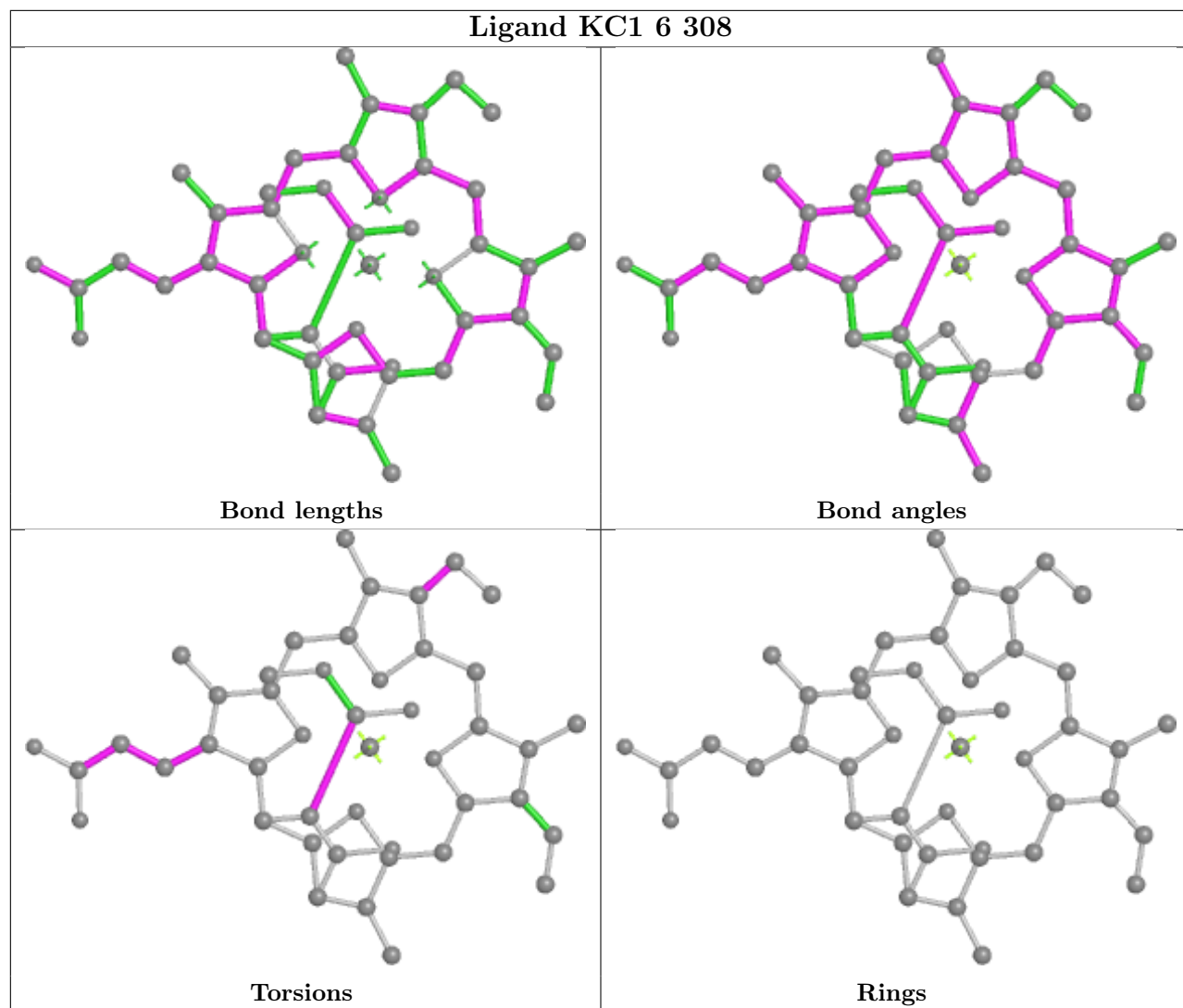


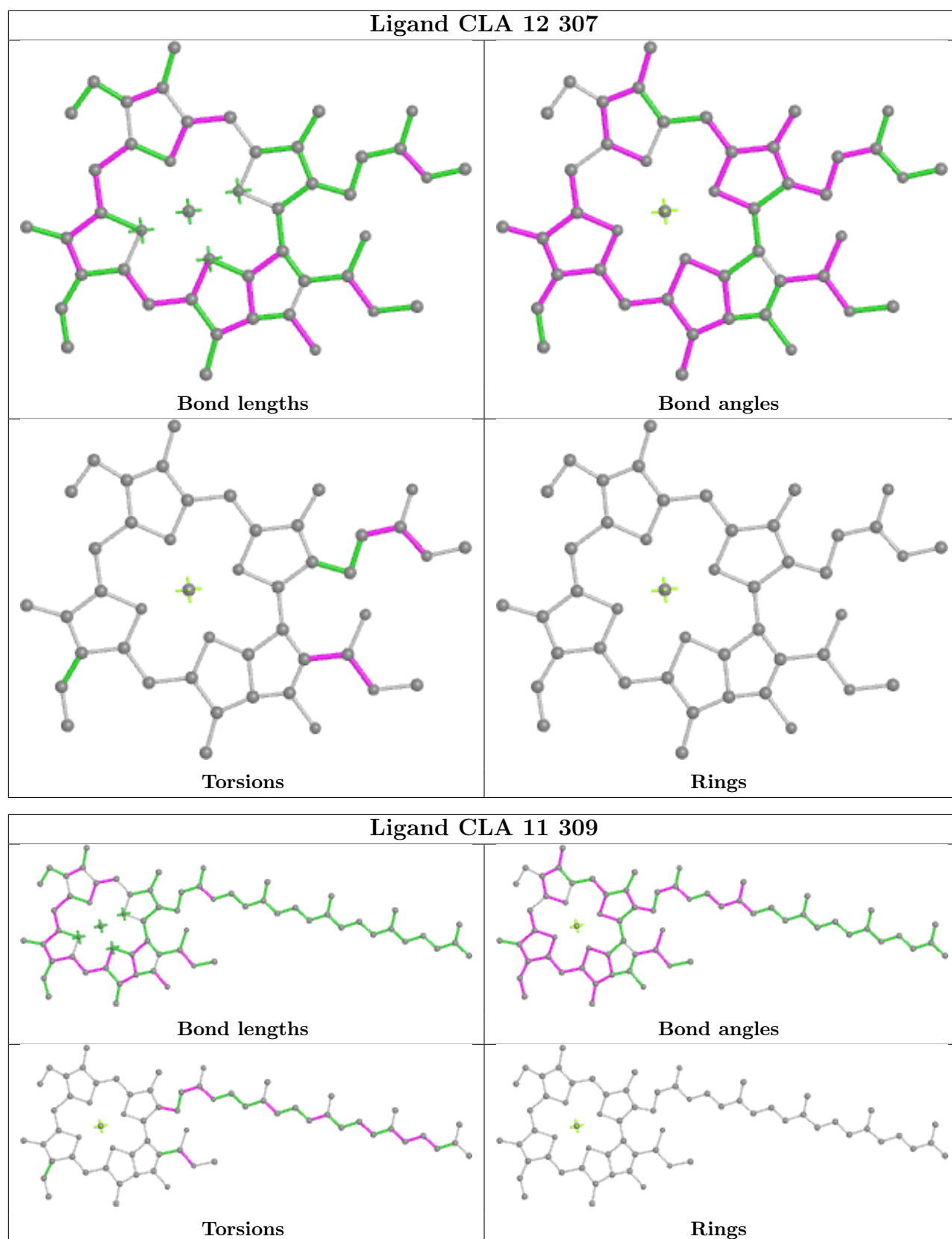


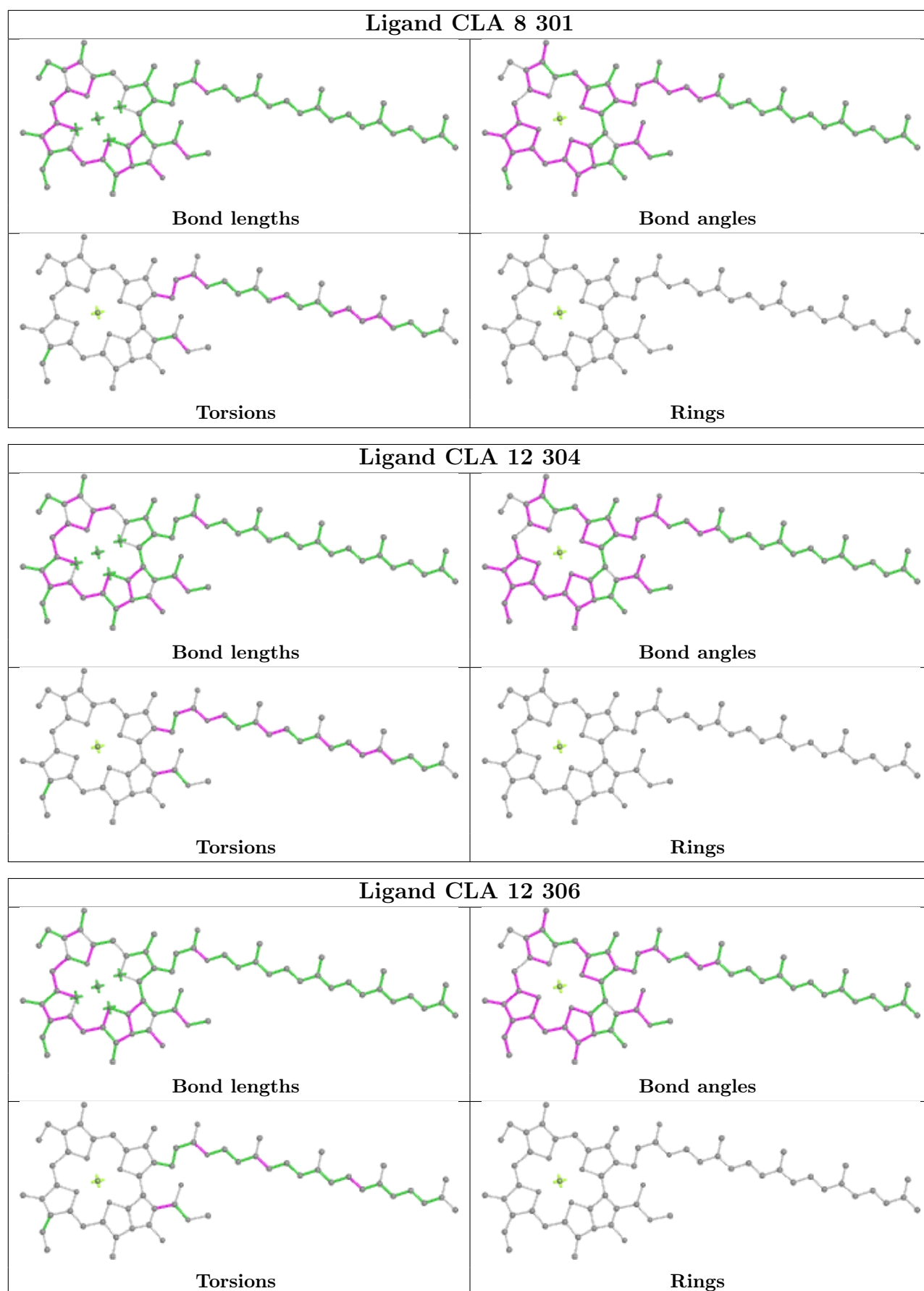


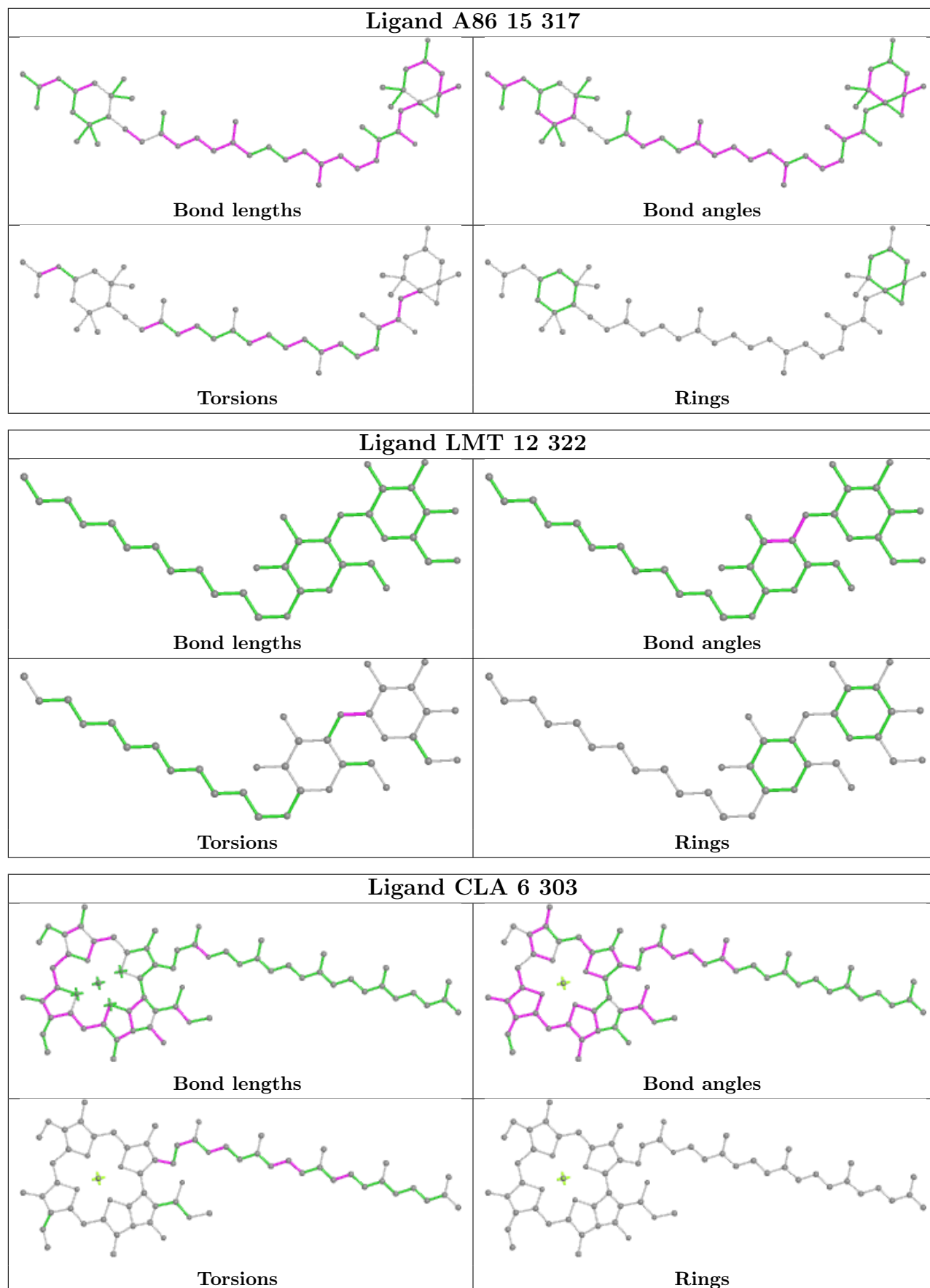


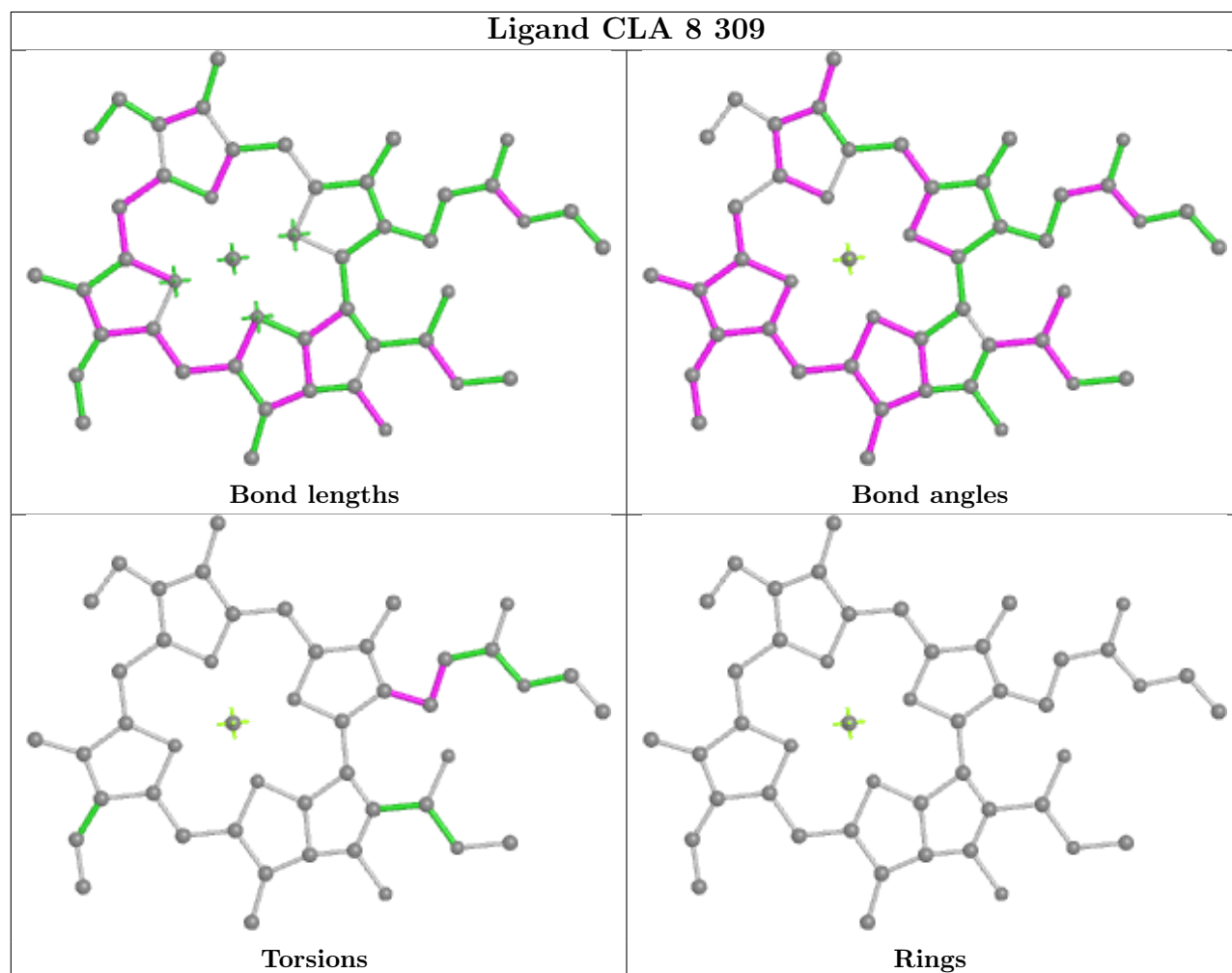
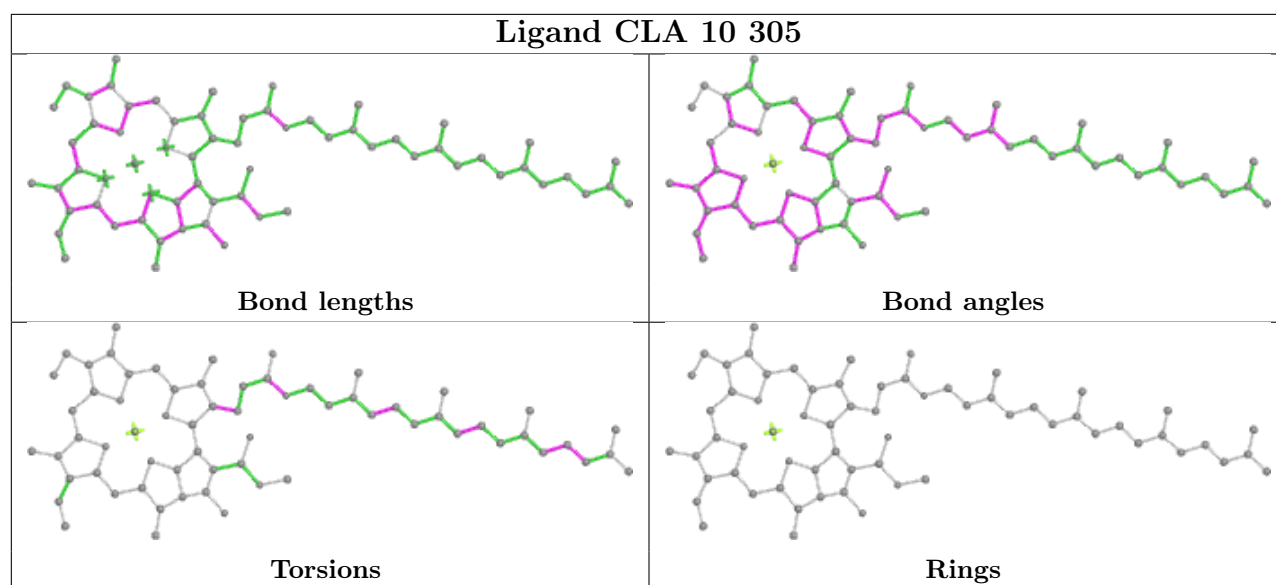


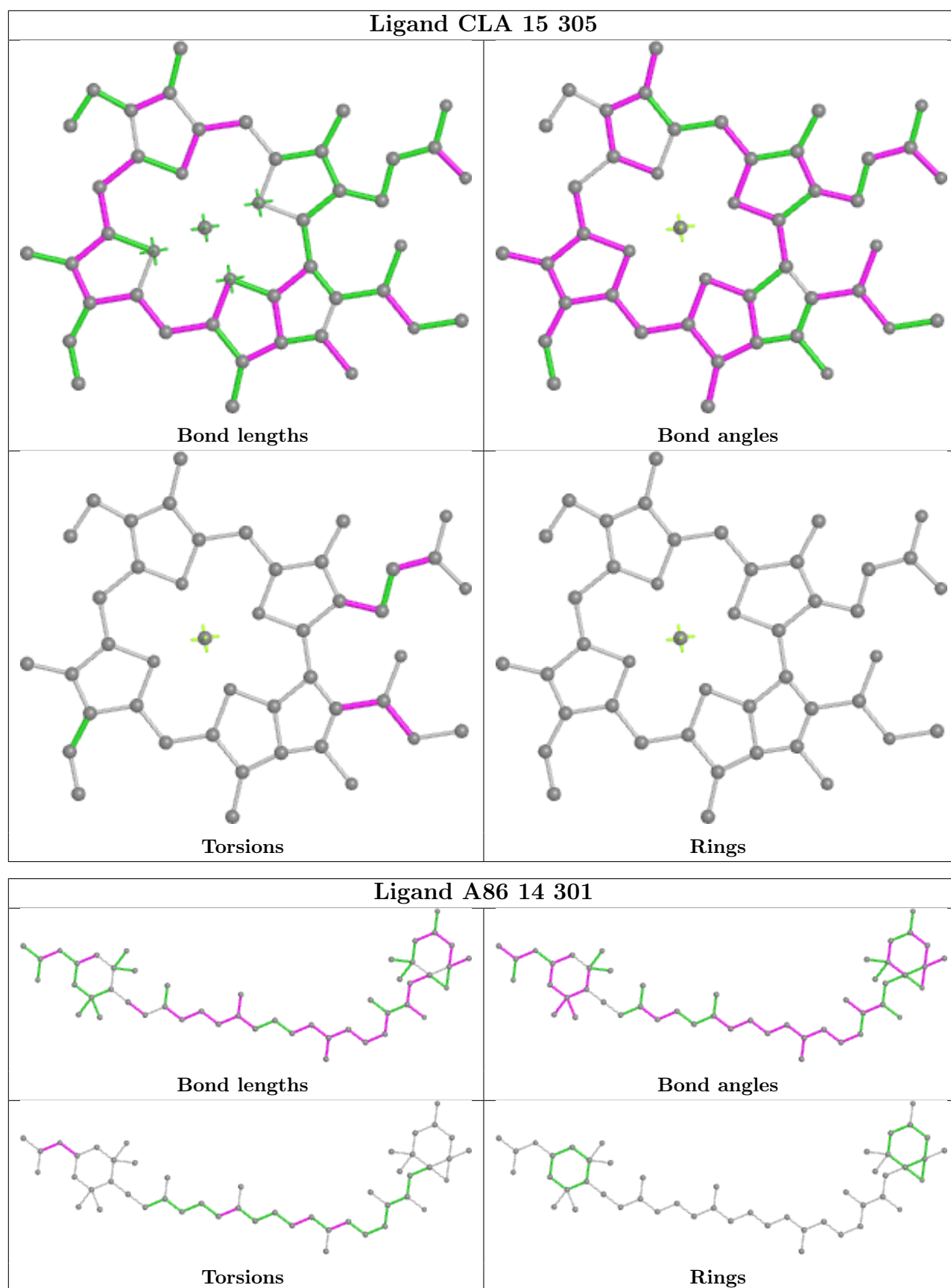


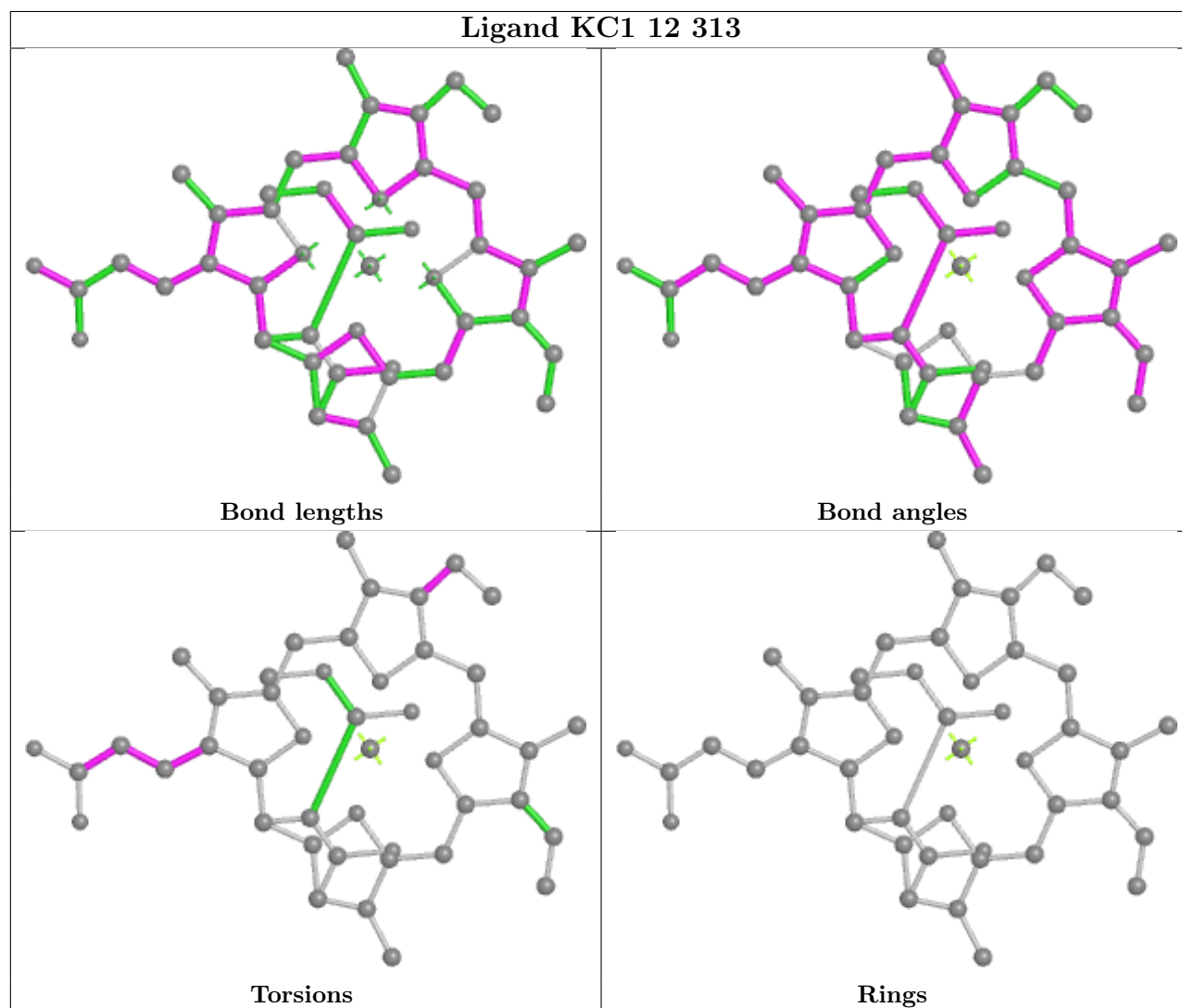
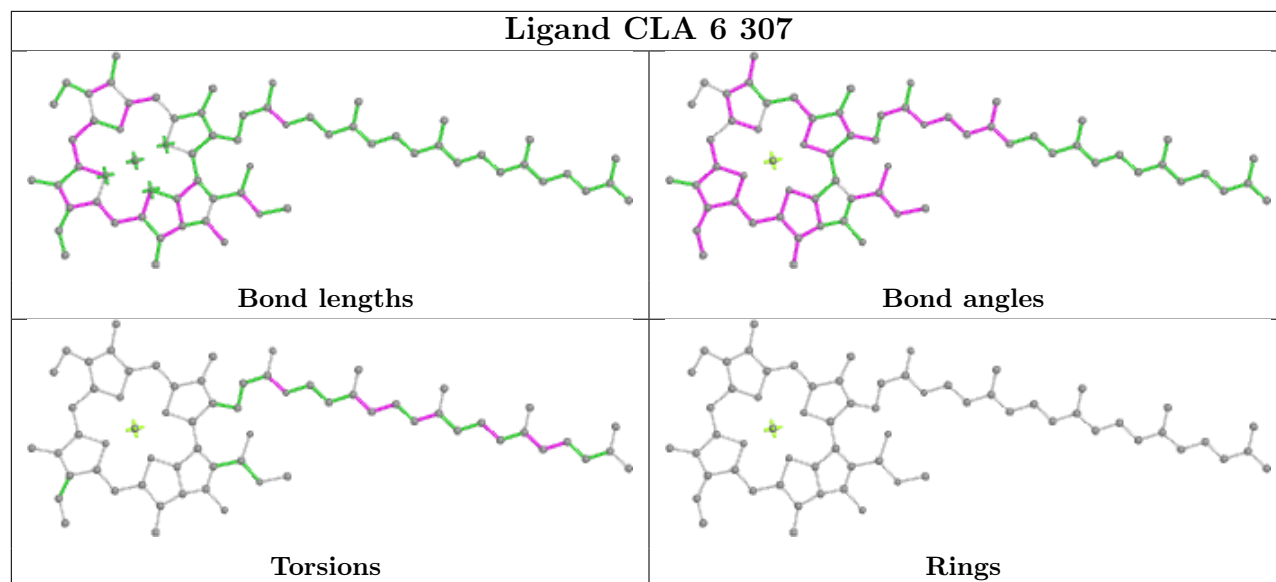


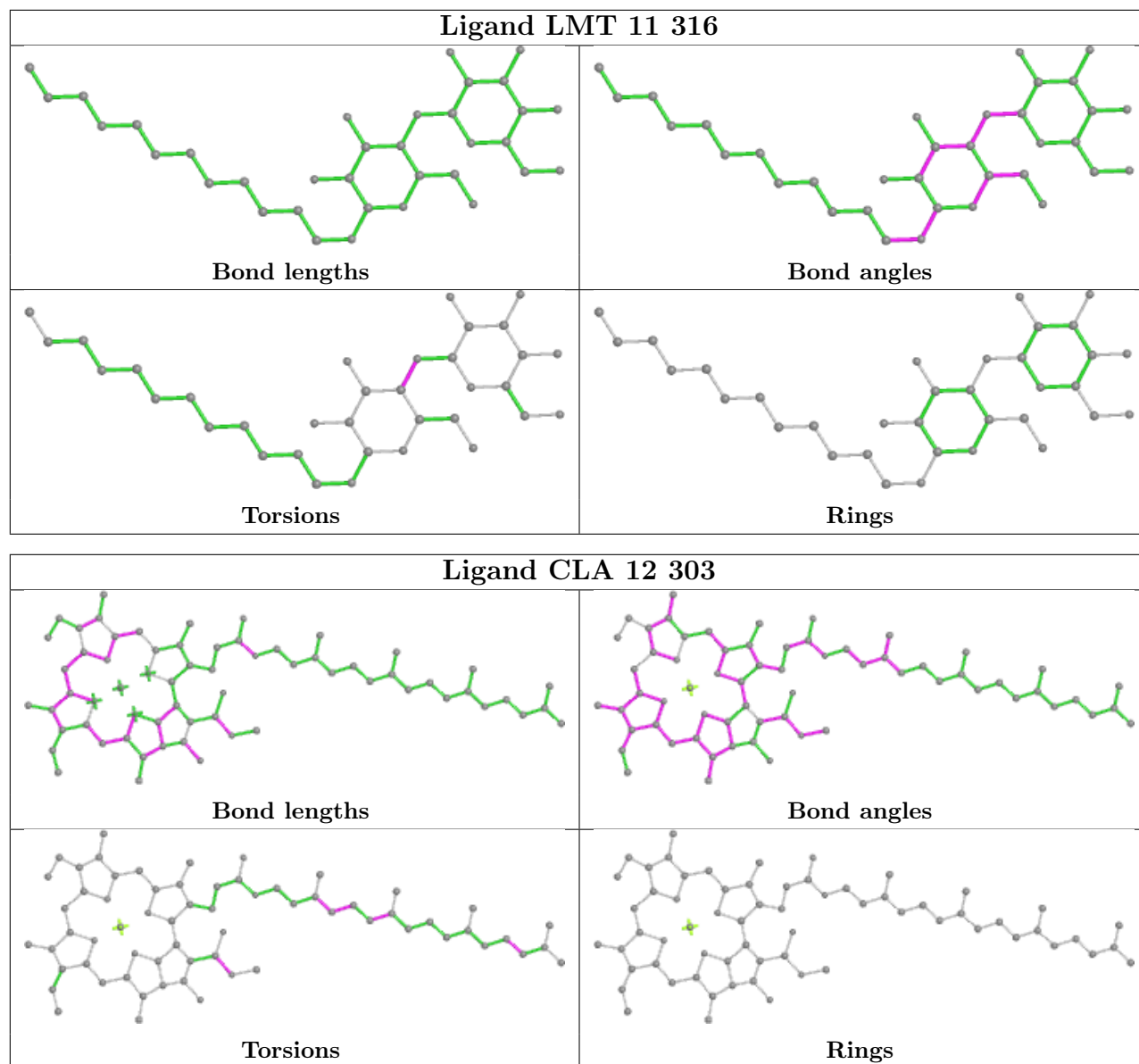


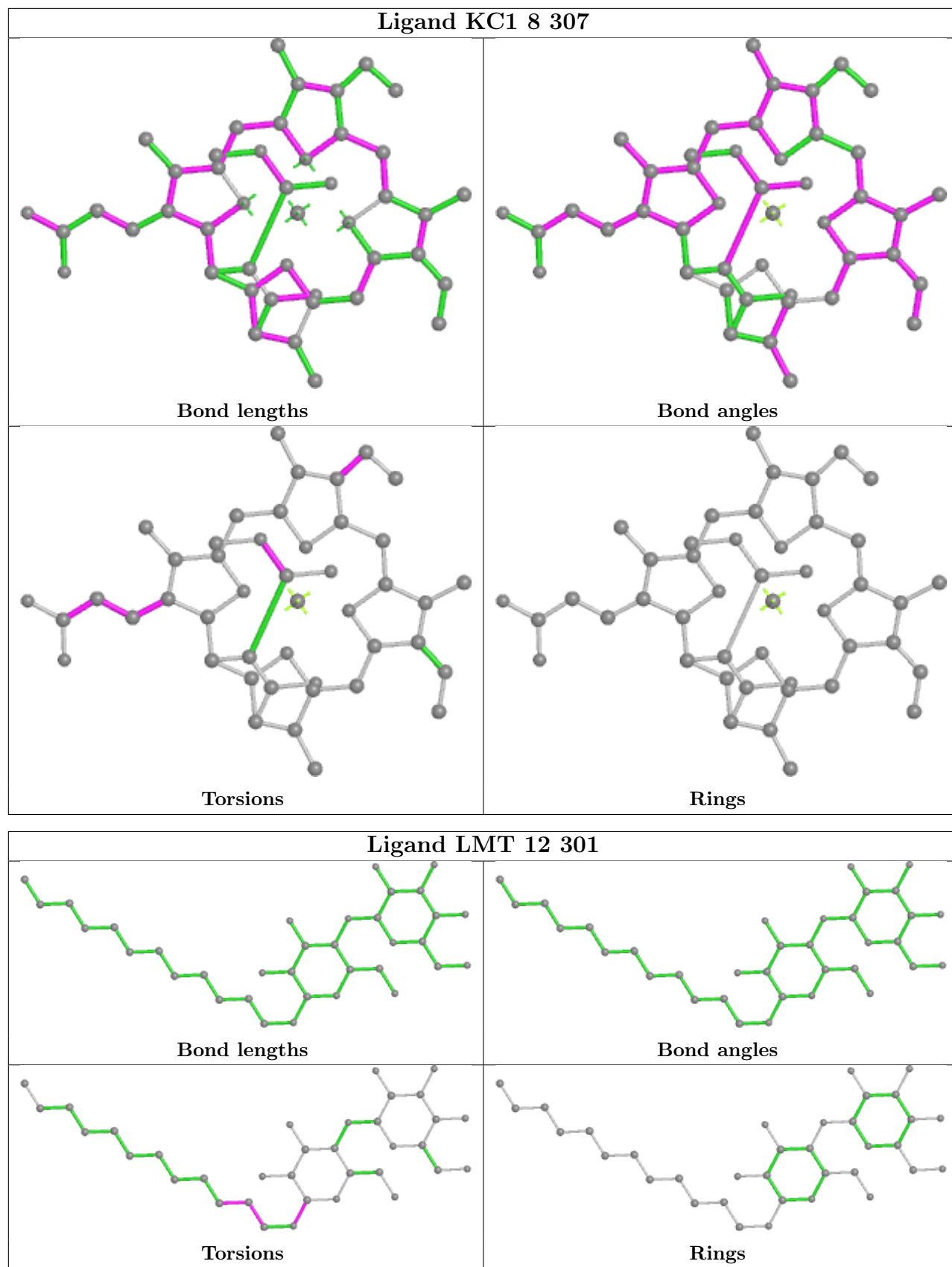


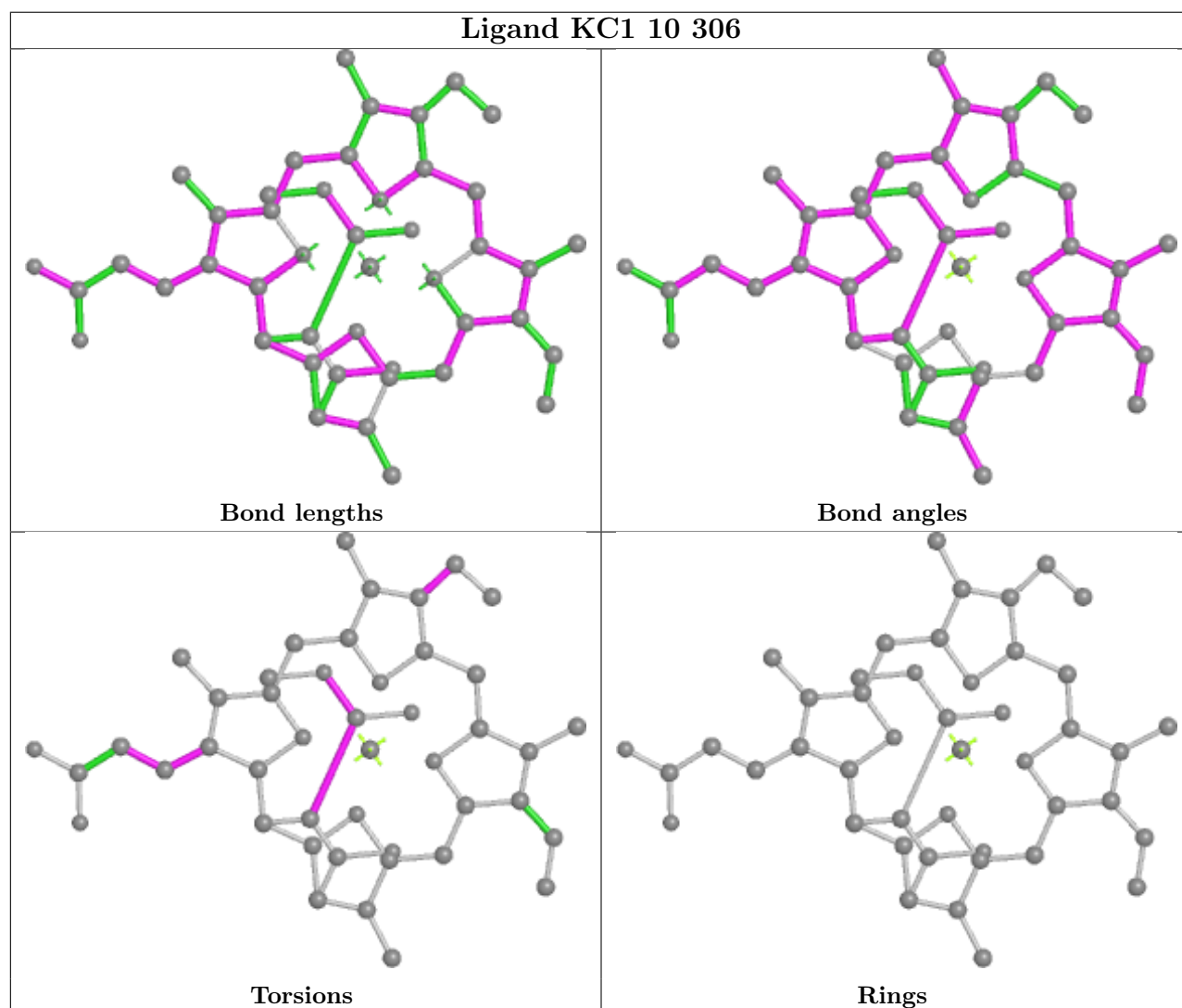
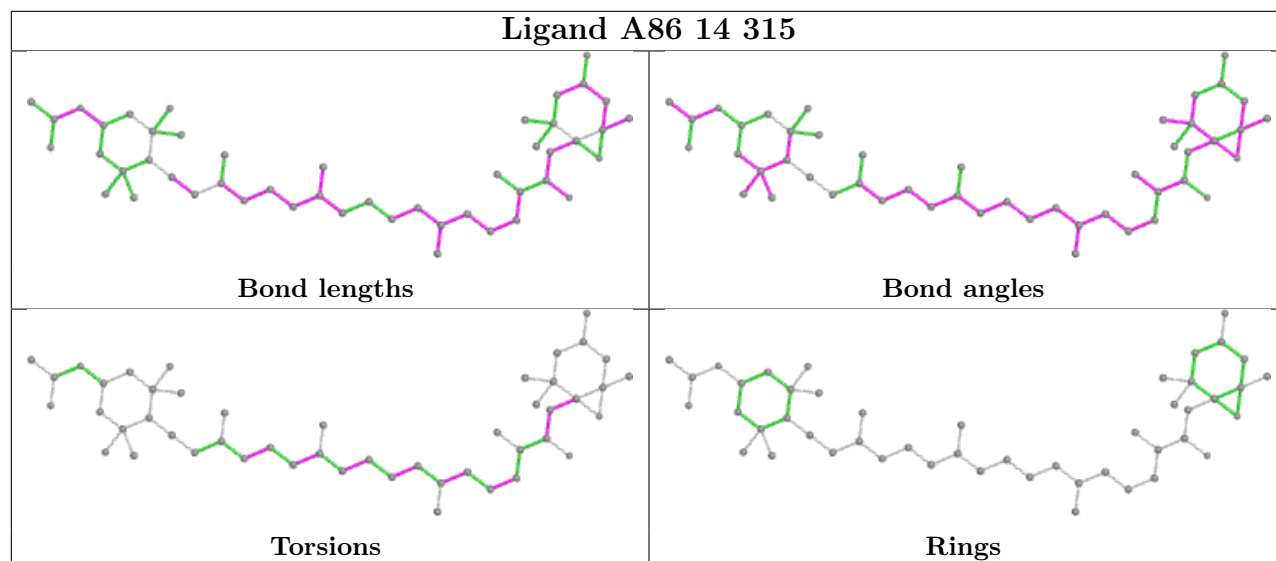


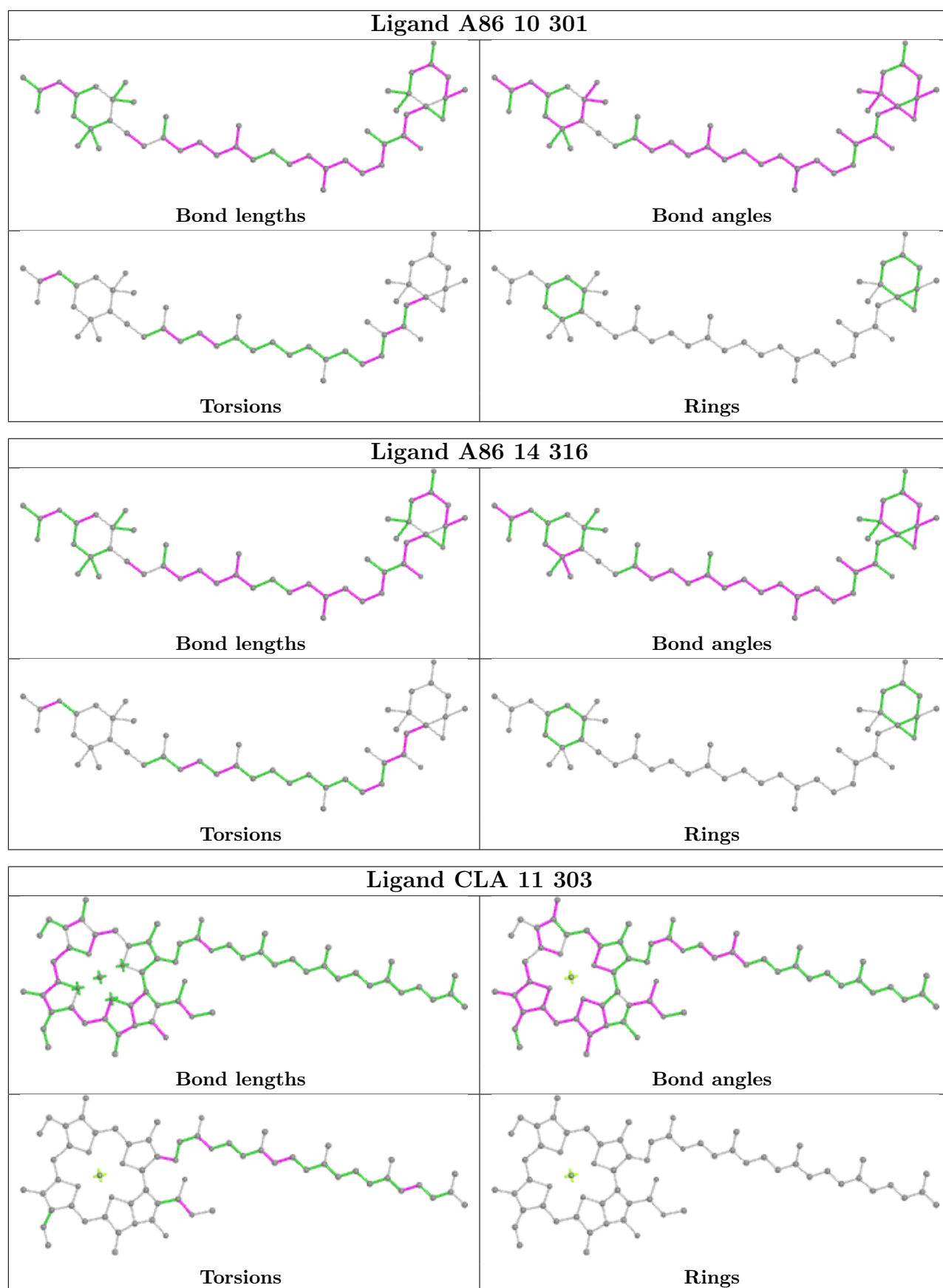


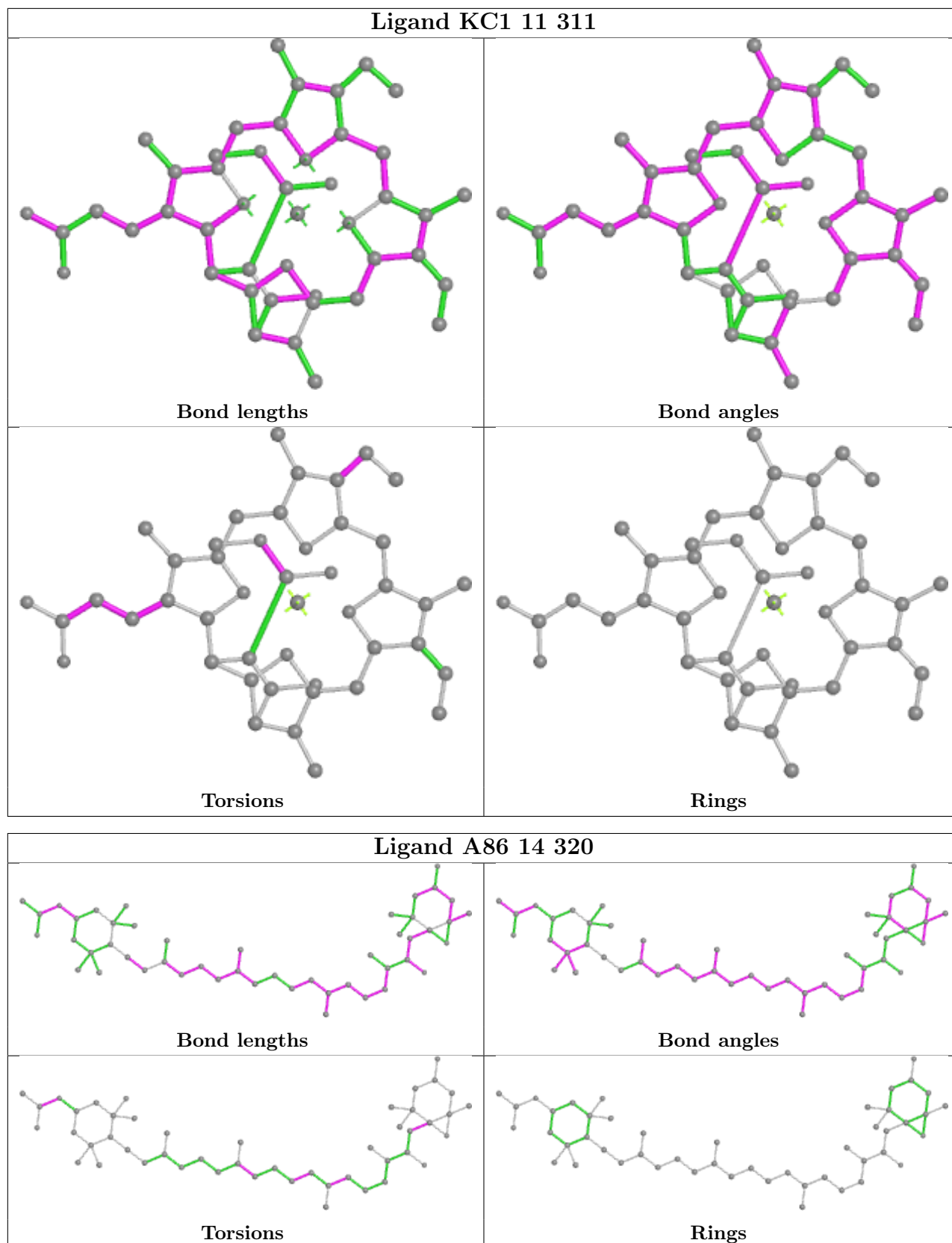


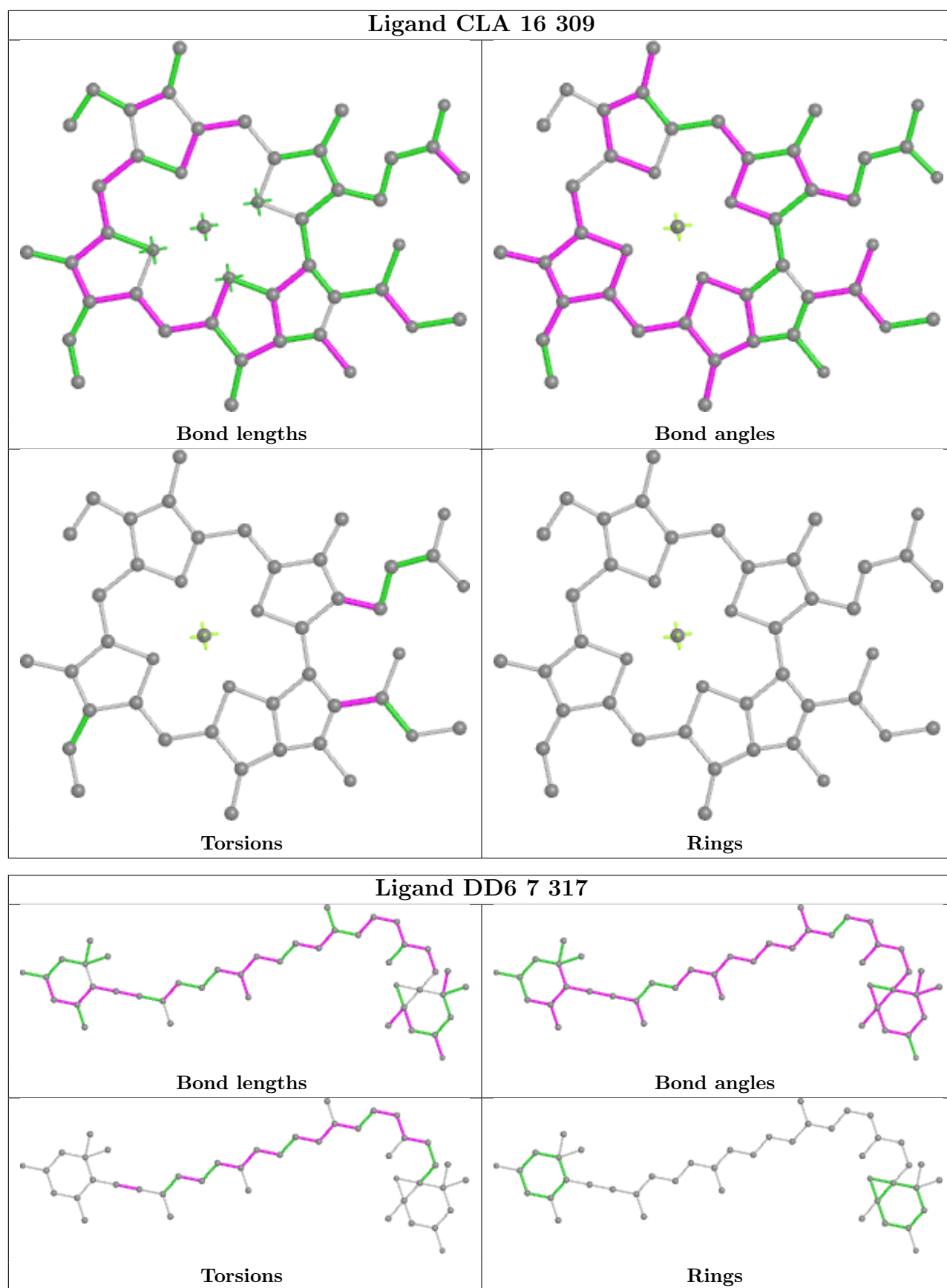


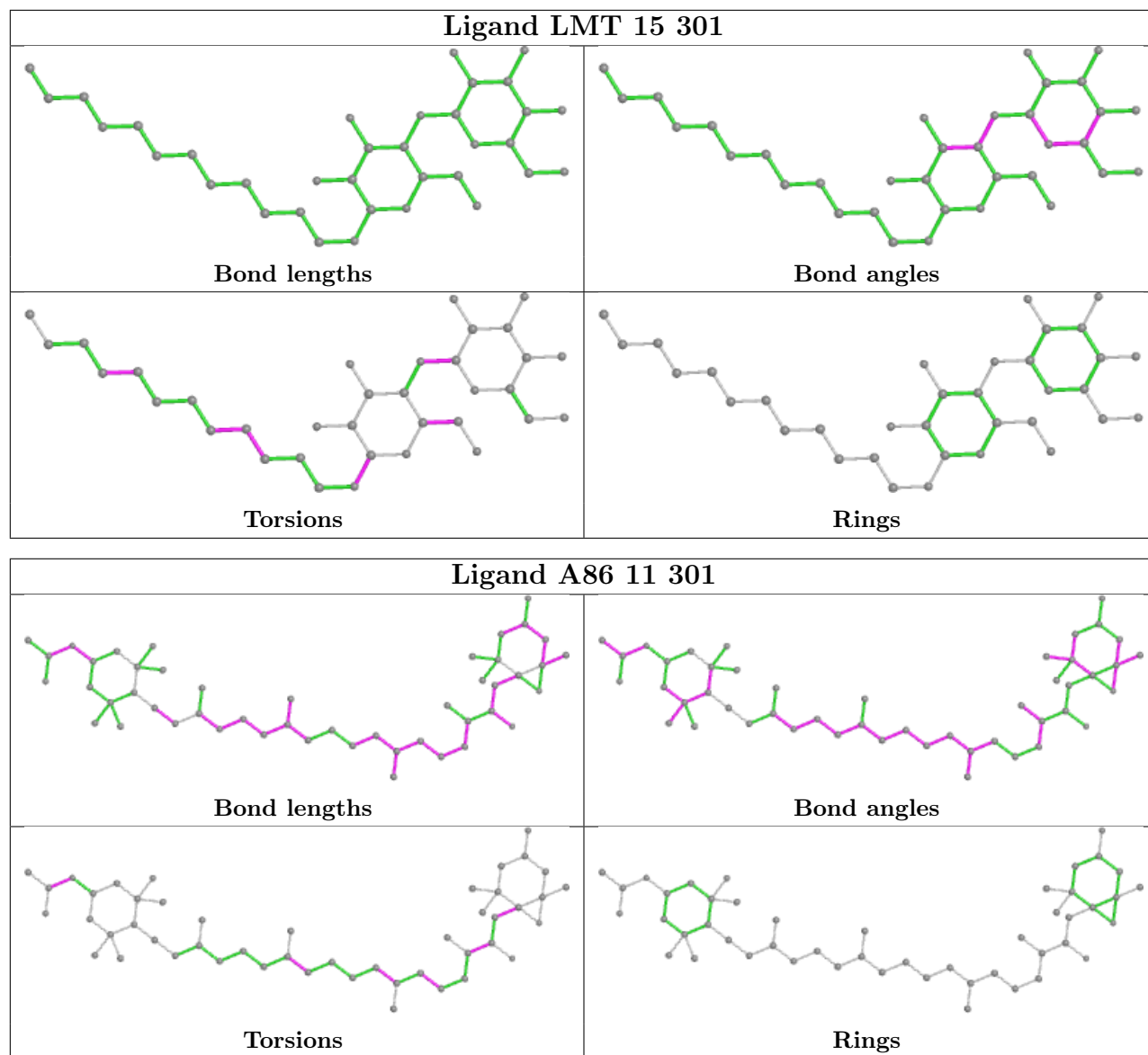


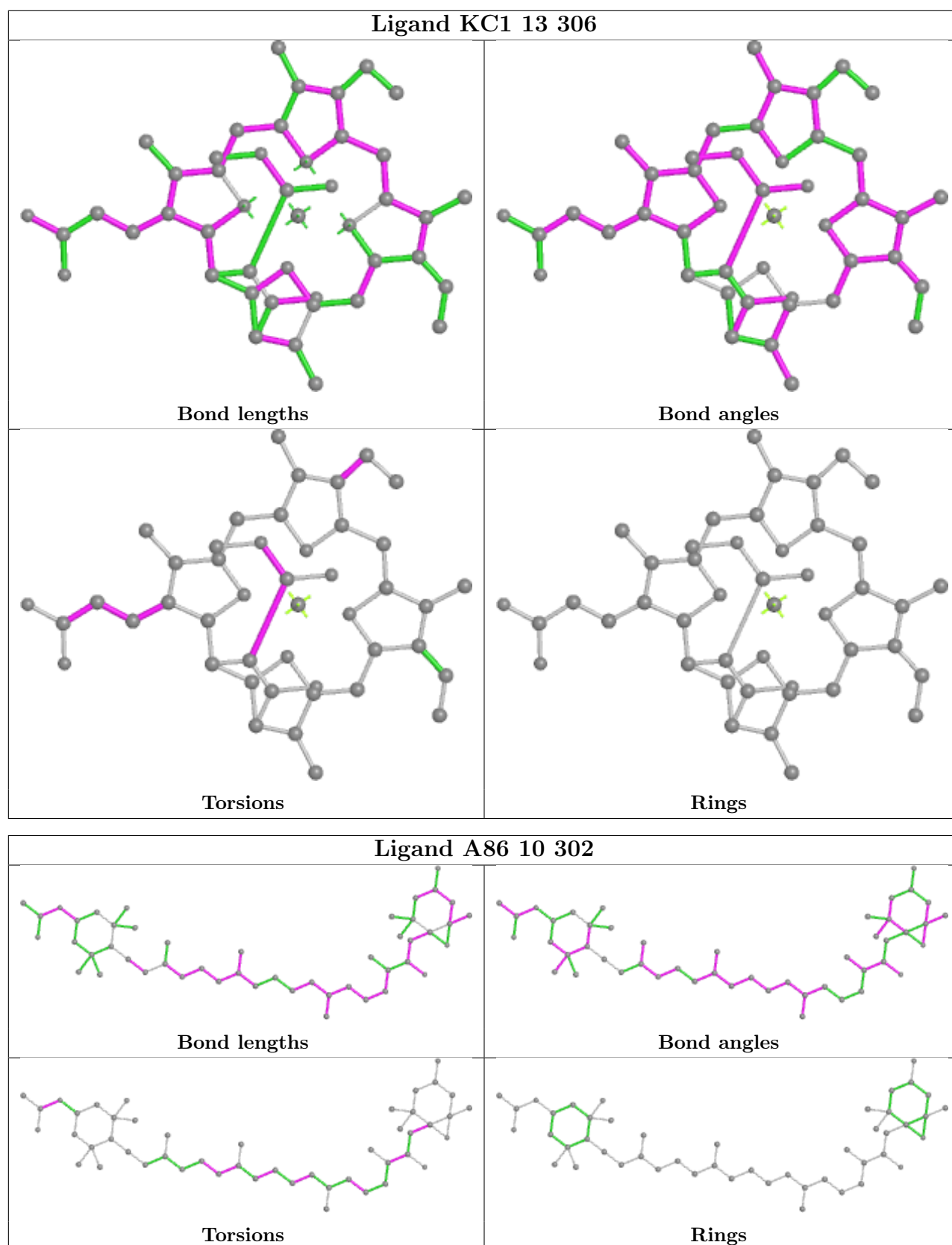


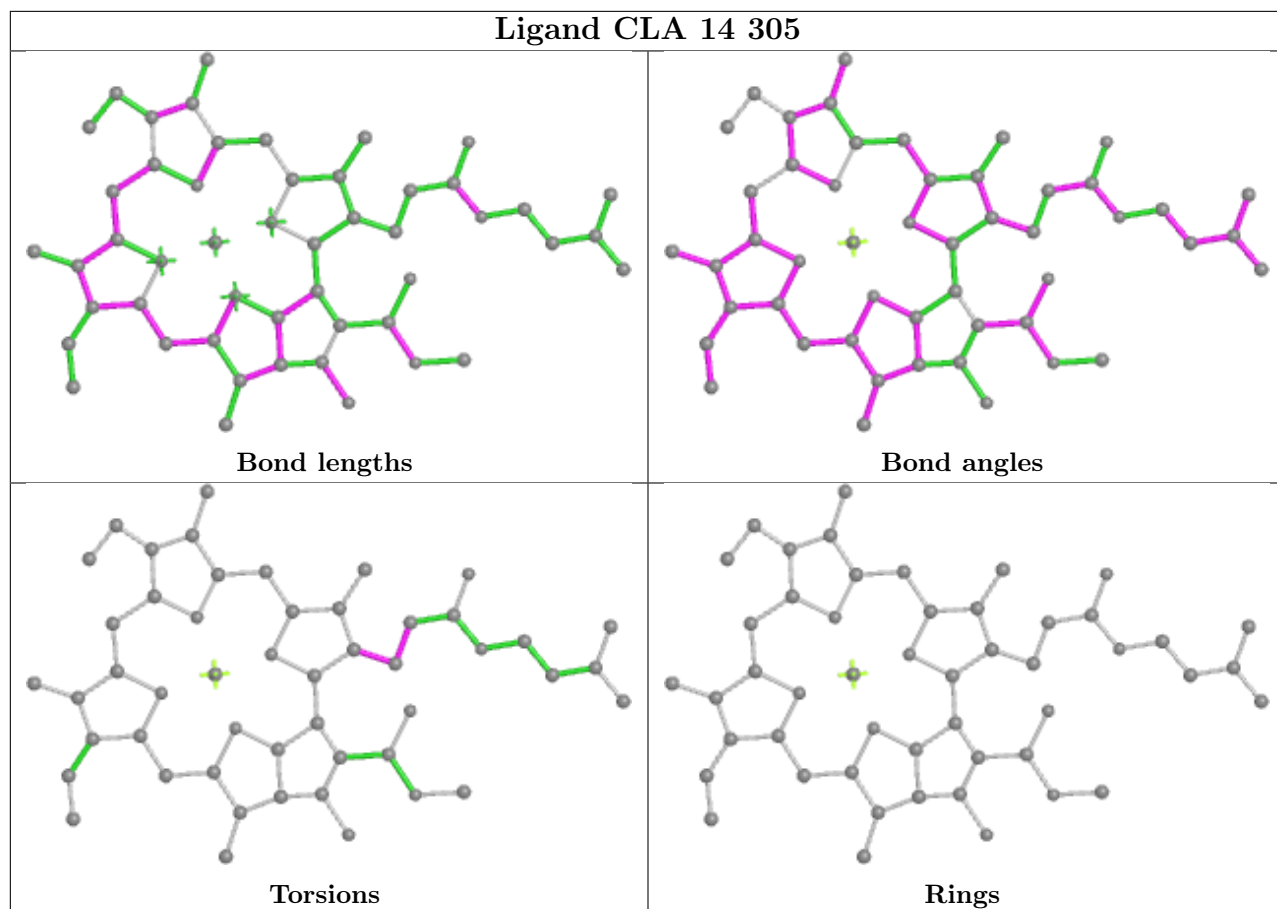


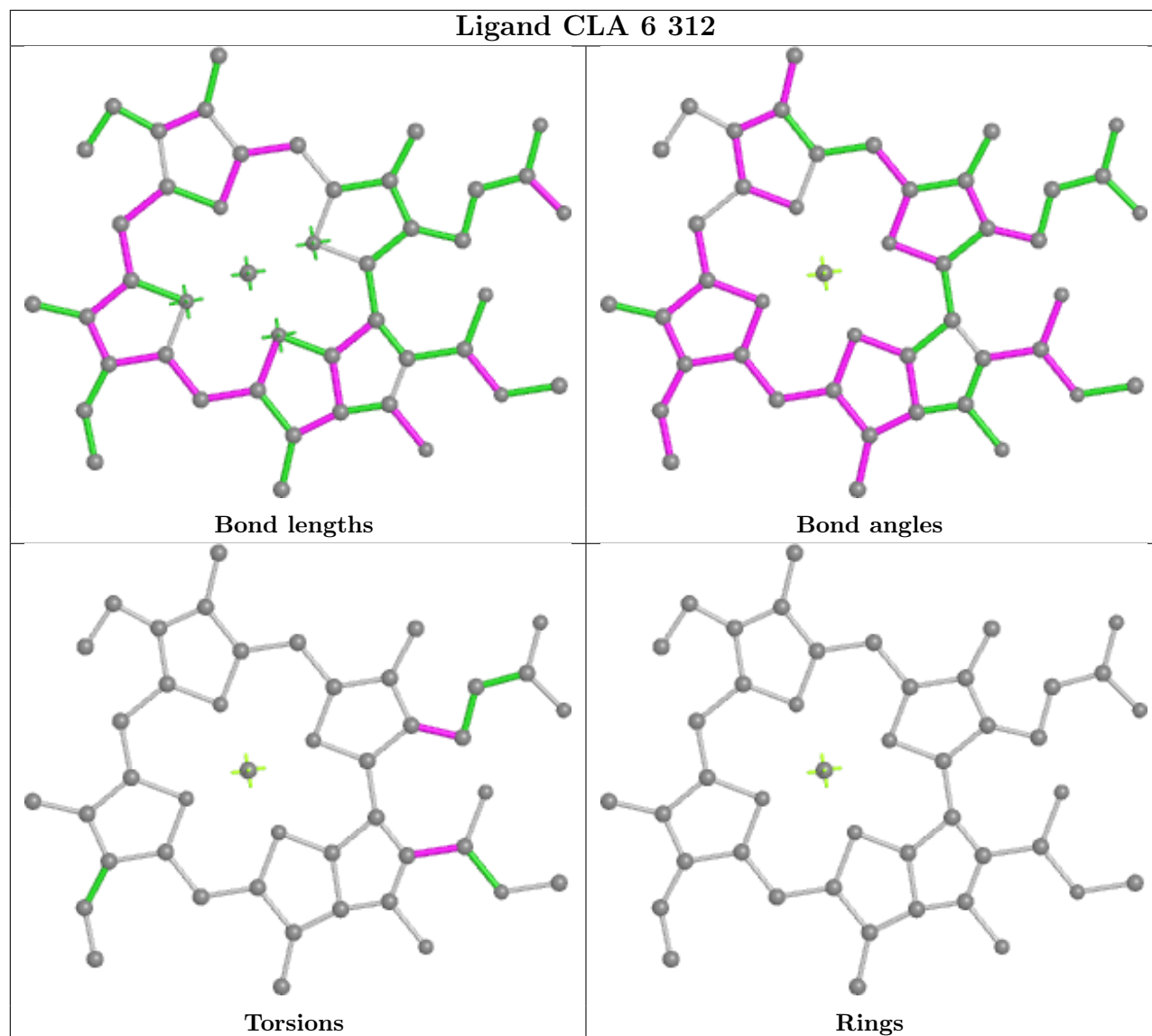


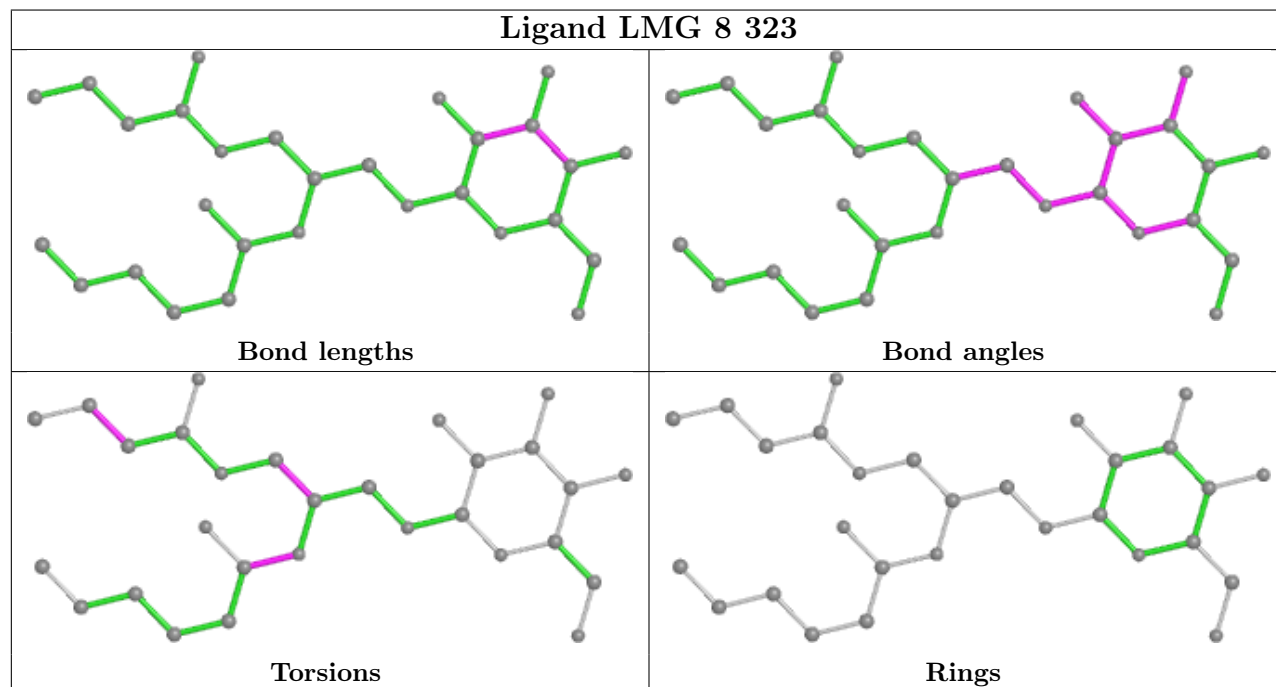
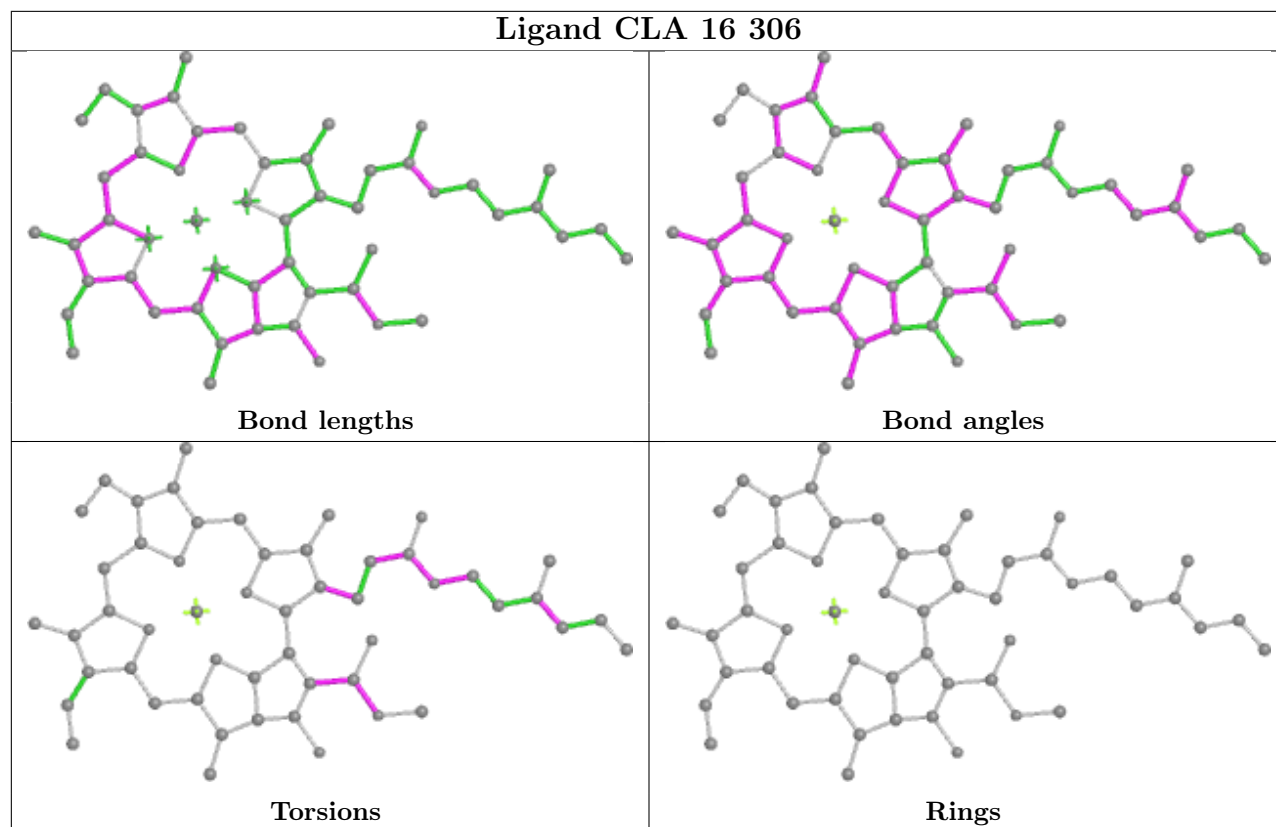


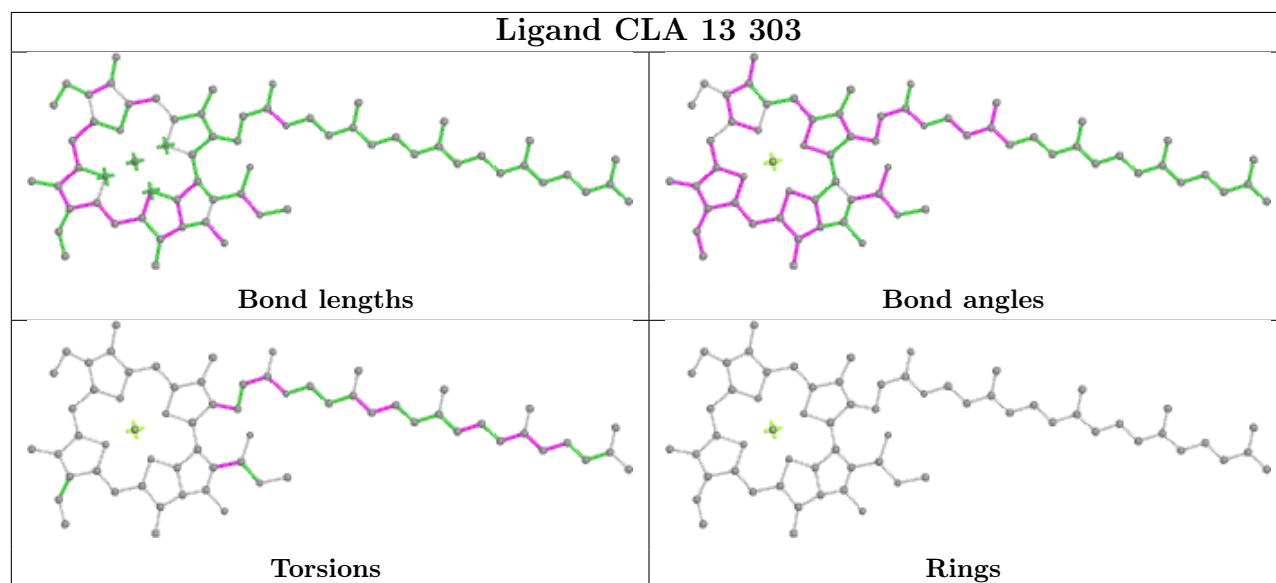
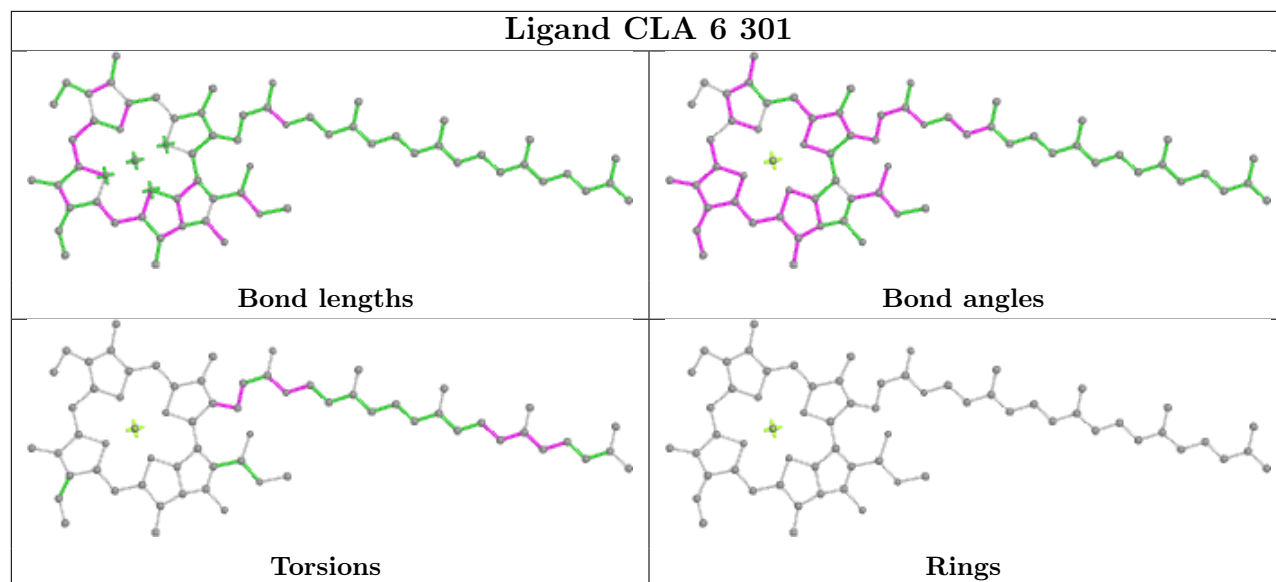


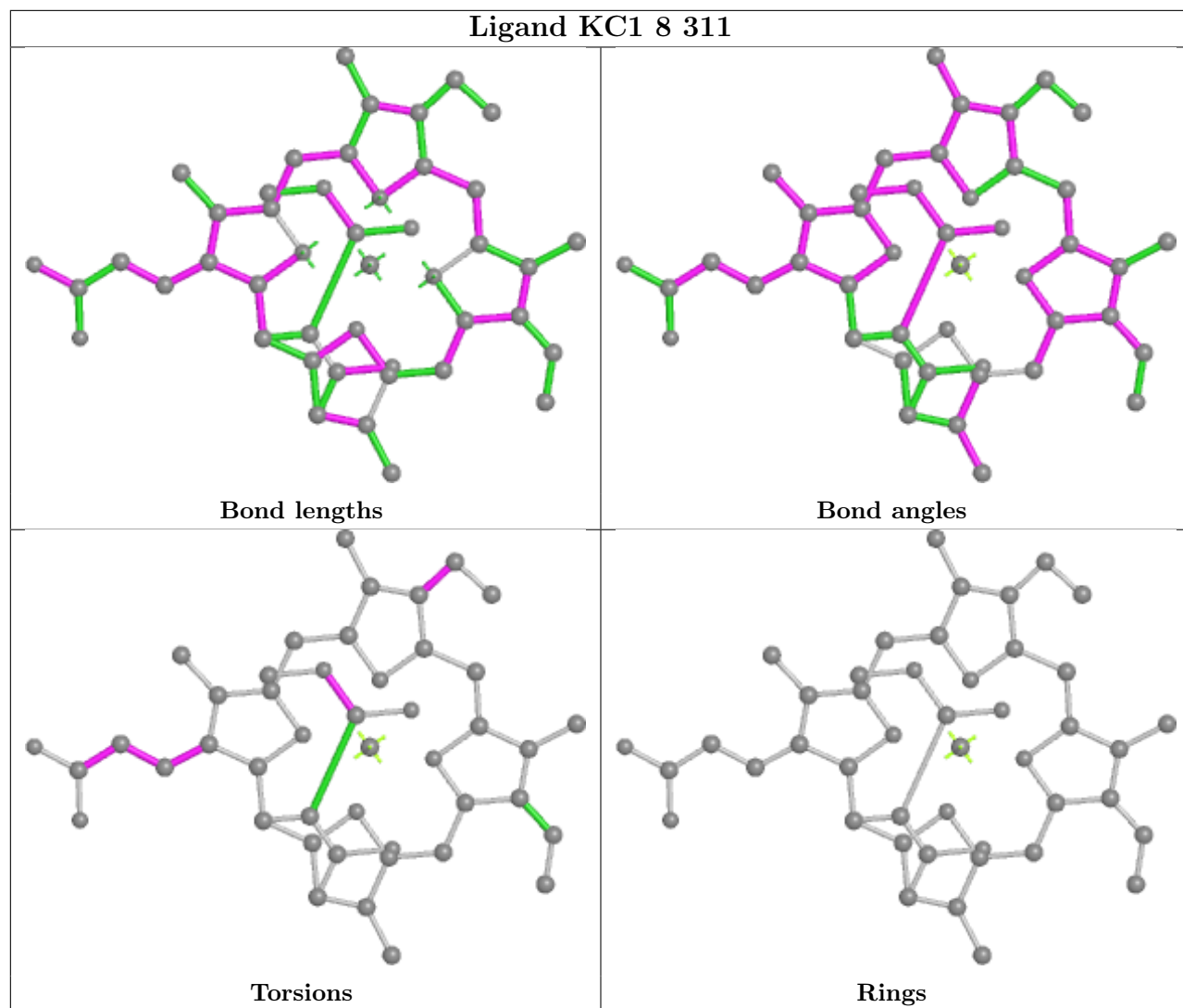


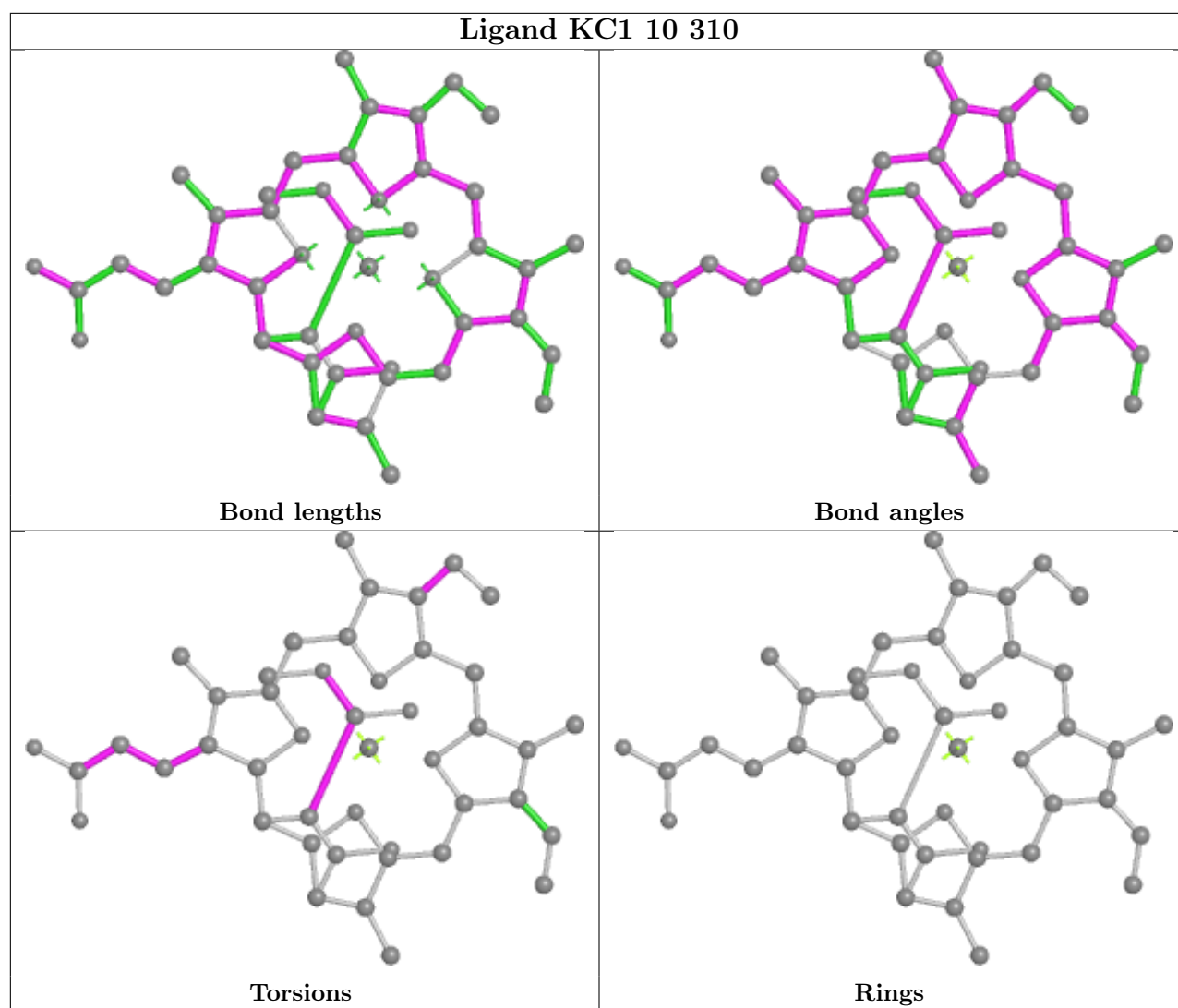












5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

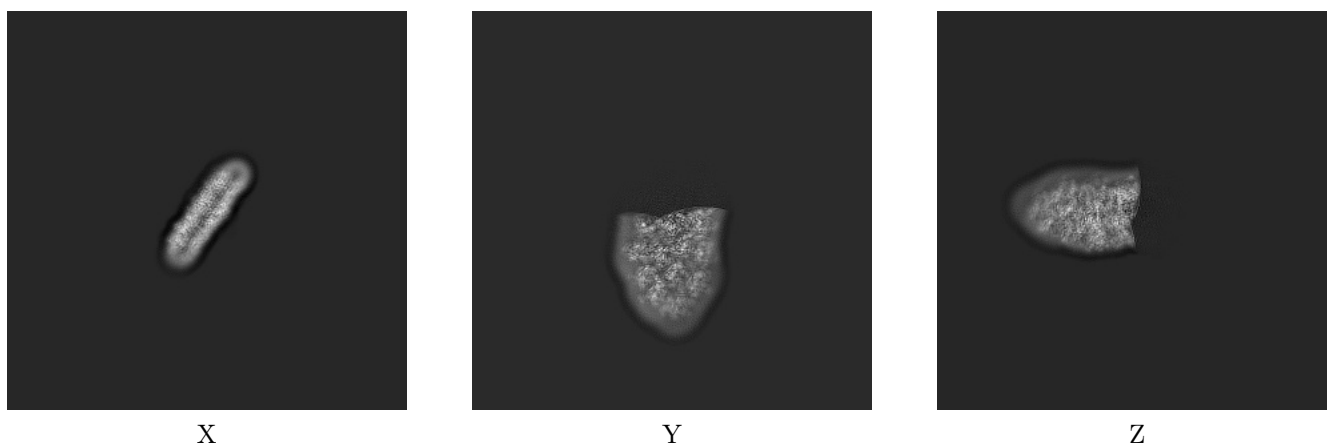
6 Map visualisation [i](#)

This section contains visualisations of the EMDB entry EMD-0834. These allow visual inspection of the internal detail of the map and identification of artifacts.

No raw map or half-maps were deposited for this entry and therefore no images, graphs, etc. pertaining to the raw map can be shown.

6.1 Orthogonal projections [i](#)

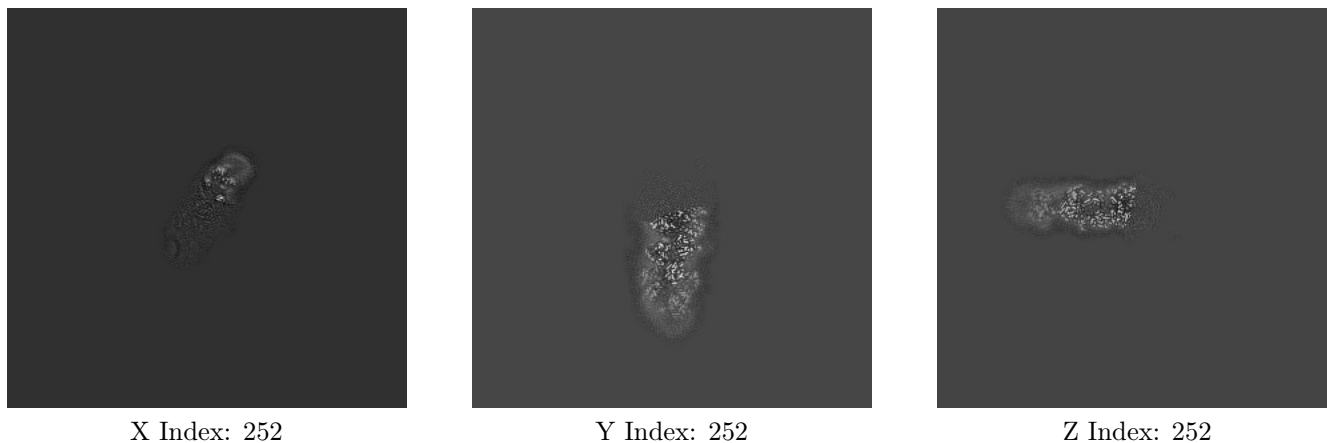
6.1.1 Primary map



The images above show the map projected in three orthogonal directions.

6.2 Central slices [i](#)

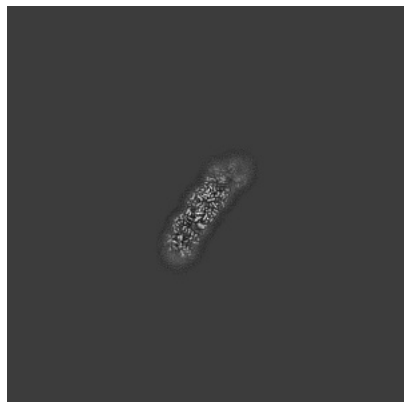
6.2.1 Primary map



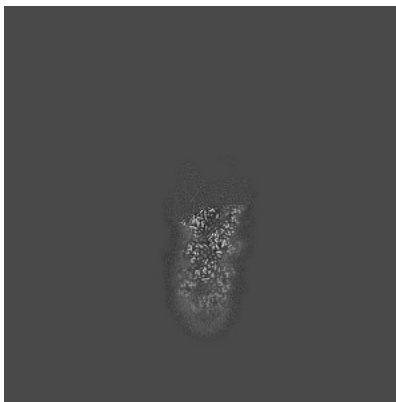
The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices [i](#)

6.3.1 Primary map



X Index: 202



Y Index: 256



Z Index: 253

The images above show the largest variance slices of the map in three orthogonal directions.

6.4 Orthogonal surface views [i](#)

6.4.1 Primary map



X



Y



Z

The images above show the 3D surface view of the map at the recommended contour level 0.045. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

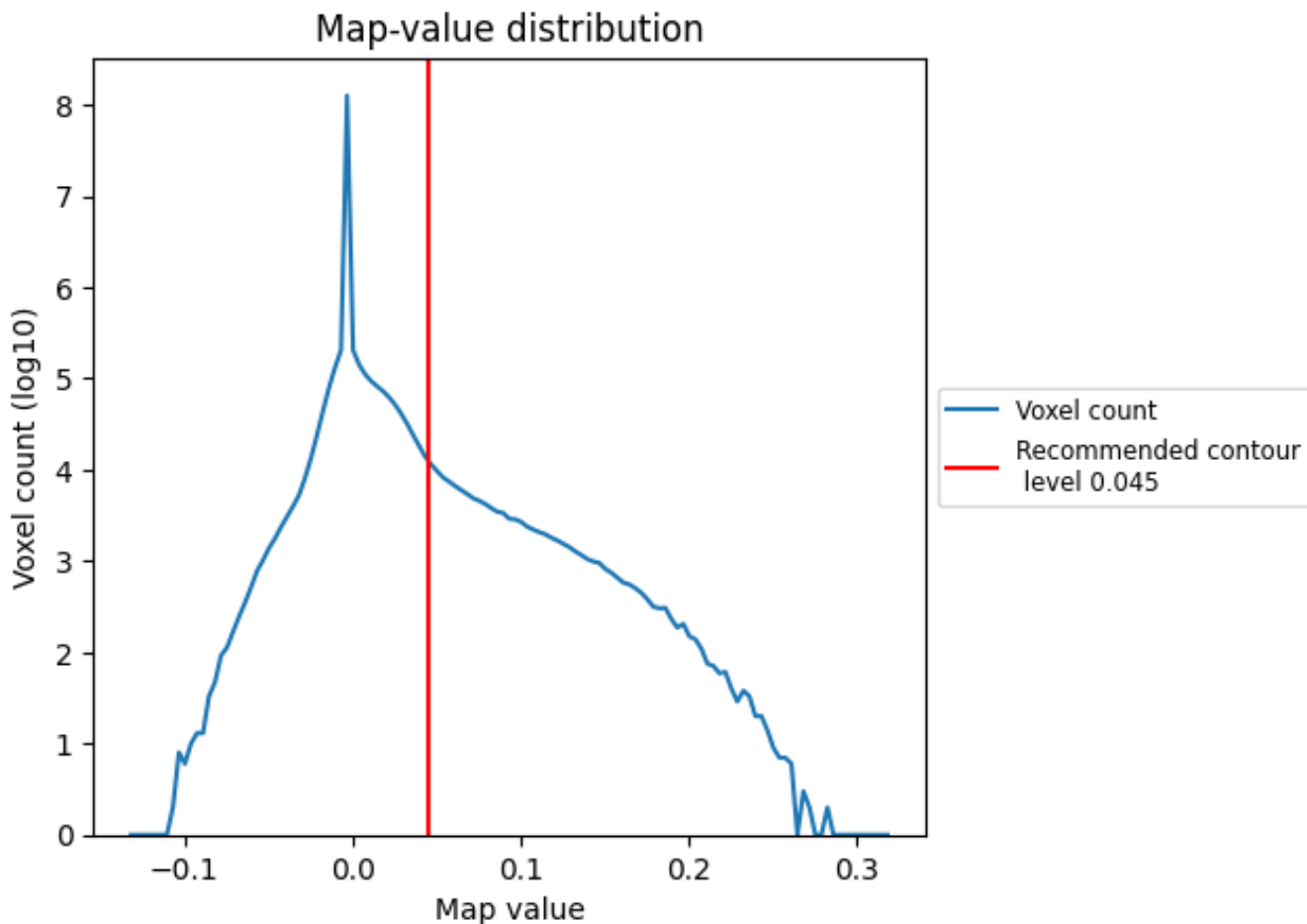
6.5 Mask visualisation

This section was not generated. No masks/segmentation were deposited.

7 Map analysis [i](#)

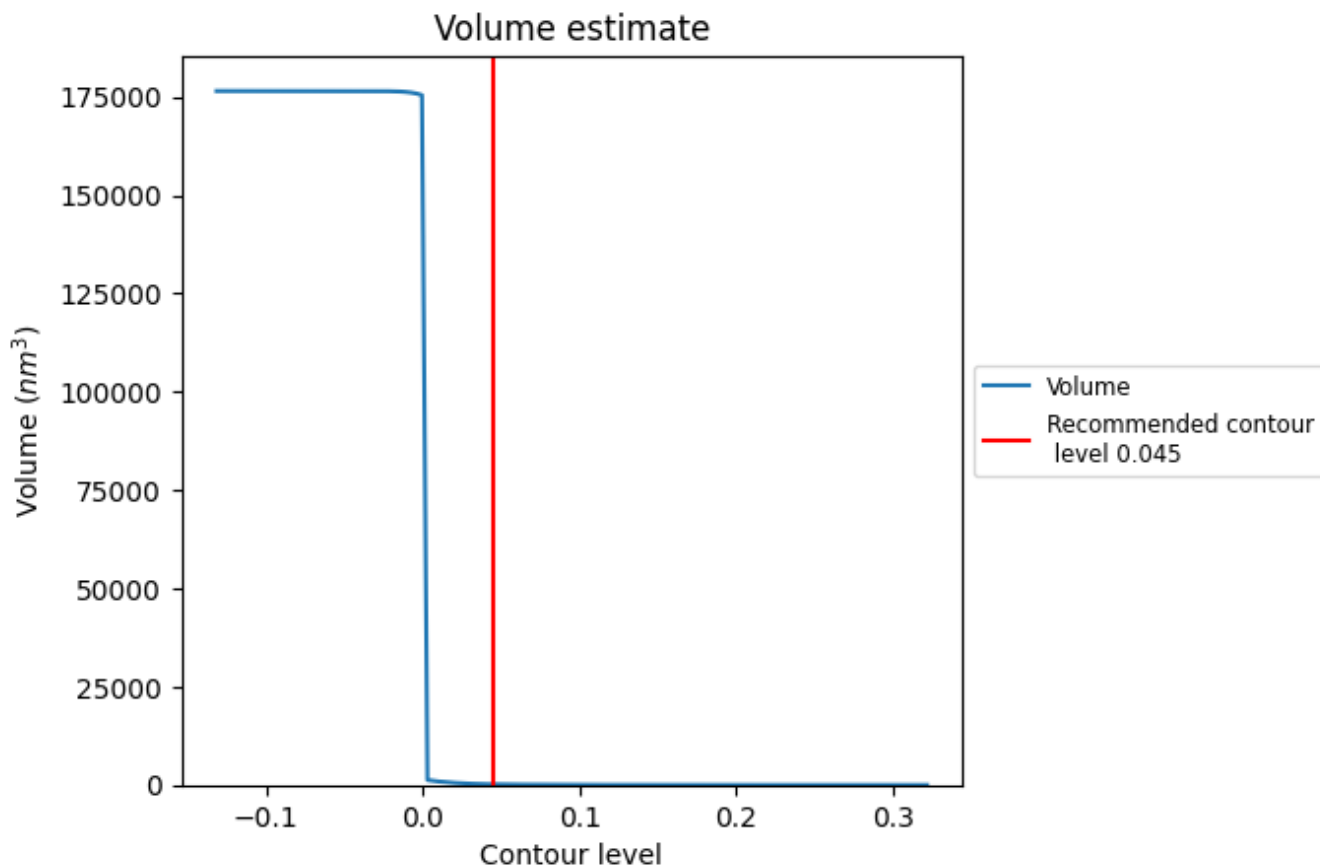
This section contains the results of statistical analysis of the map.

7.1 Map-value distribution [i](#)



The map-value distribution is plotted in 128 intervals along the x-axis. The y-axis is logarithmic. A spike in this graph at zero usually indicates that the volume has been masked.

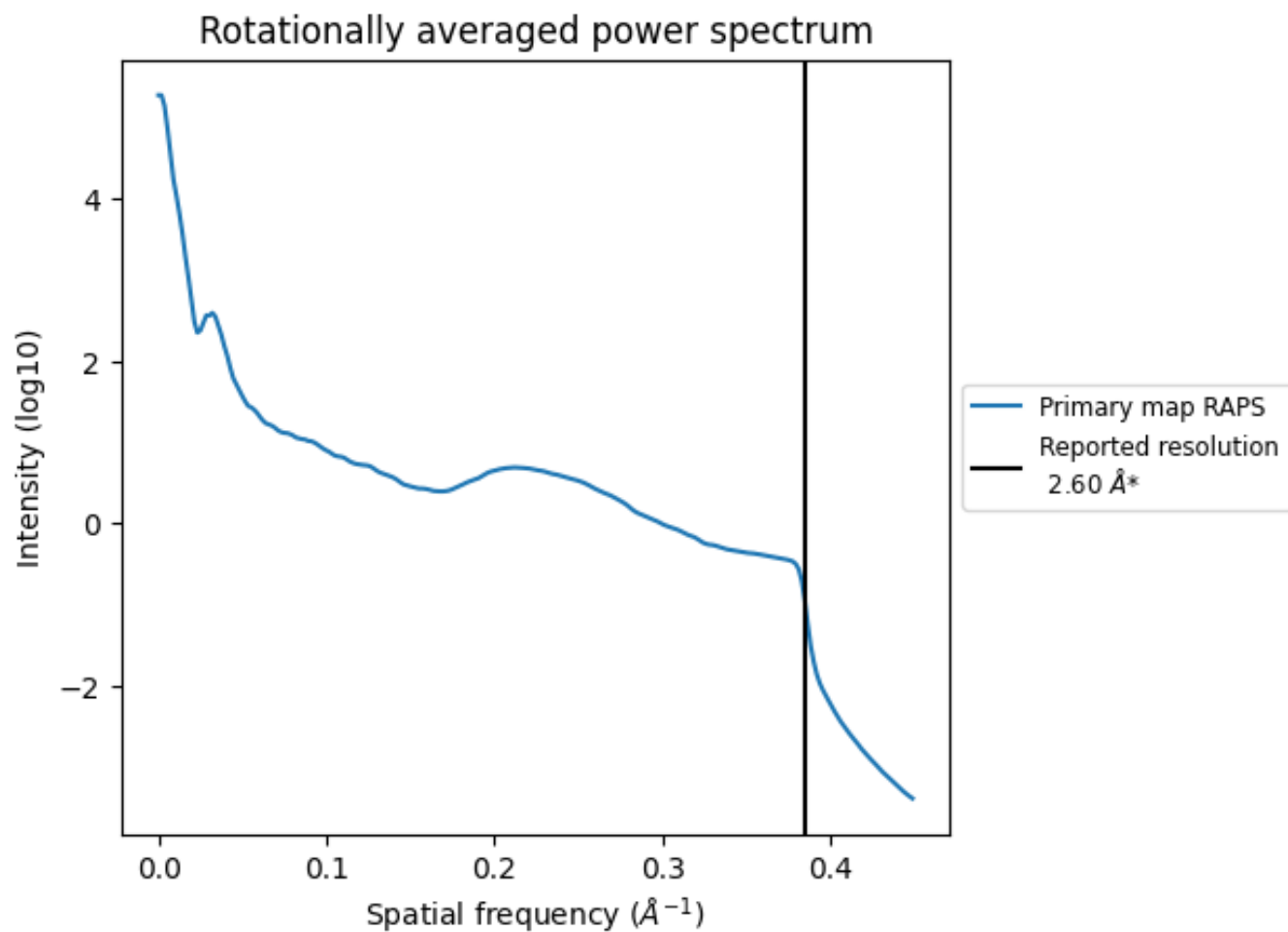
7.2 Volume estimate [i](#)



The volume at the recommended contour level is 169 nm^3 ; this corresponds to an approximate mass of 153 kDa.

The volume estimate graph shows how the enclosed volume varies with the contour level. The recommended contour level is shown as a vertical line and the intersection between the line and the curve gives the volume of the enclosed surface at the given level.

7.3 Rotationally averaged power spectrum [i](#)

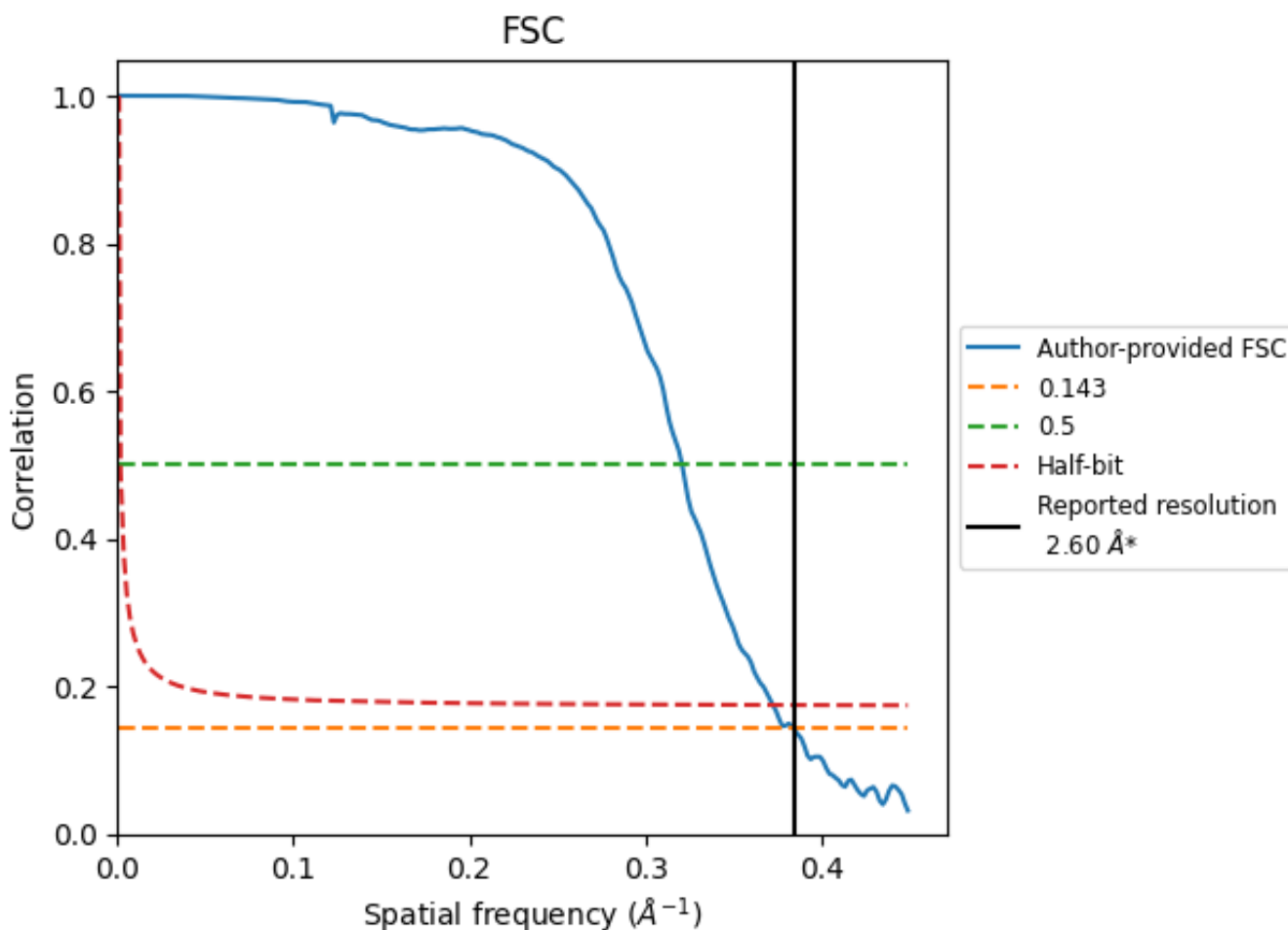


*Reported resolution corresponds to spatial frequency of 0.385\AA^{-1}

8 Fourier-Shell correlation [i](#)

Fourier-Shell Correlation (FSC) is the most commonly used method to estimate the resolution of single-particle and subtomogram-averaged maps. The shape of the curve depends on the imposed symmetry, mask and whether or not the two 3D reconstructions used were processed from a common reference. The reported resolution is shown as a black line. A curve is displayed for the half-bit criterion in addition to lines showing the 0.143 gold standard cut-off and 0.5 cut-off.

8.1 FSC [i](#)



*Reported resolution corresponds to spatial frequency of 0.385 Å⁻¹

8.2 Resolution estimates [i](#)

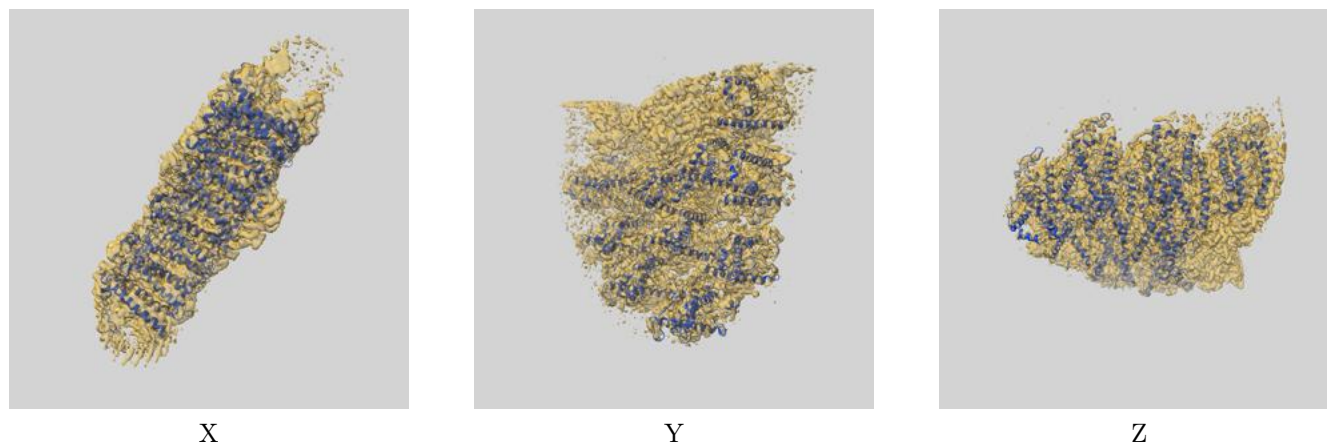
| Resolution estimate (Å) | Estimation criterion (FSC cut-off) | | |
|---------------------------|------------------------------------|------|----------|
| | 0.143 | 0.5 | Half-bit |
| Reported by author | 2.60 | - | - |
| Author-provided FSC curve | 2.60 | 3.12 | 2.68 |
| Unmasked-calculated* | - | - | - |

*Resolution estimate based on FSC curve calculated by comparison of deposited half-maps.

9 Map-model fit [i](#)

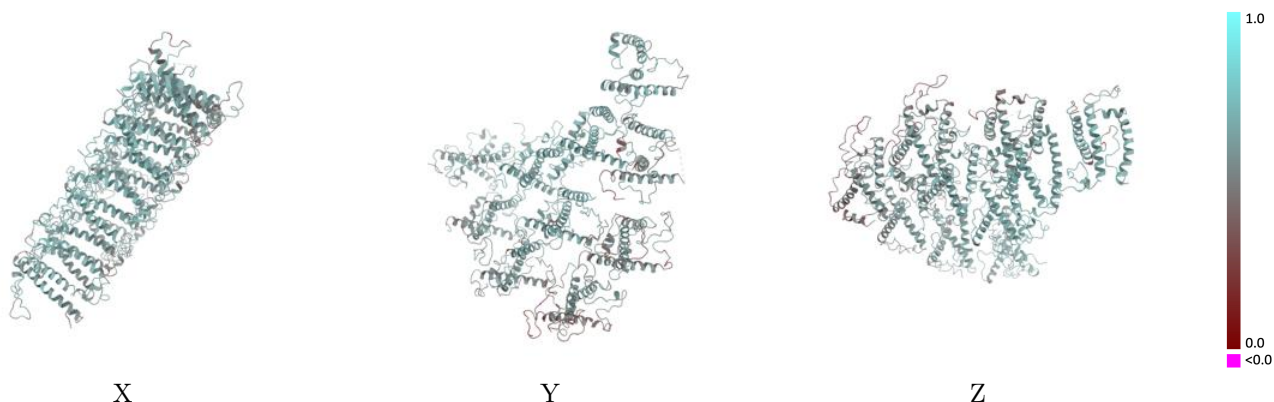
This section contains information regarding the fit between EMDB map EMD-0834 and PDB model 6L4T. Per-residue inclusion information can be found in section 3 on page 20.

9.1 Map-model overlay [i](#)



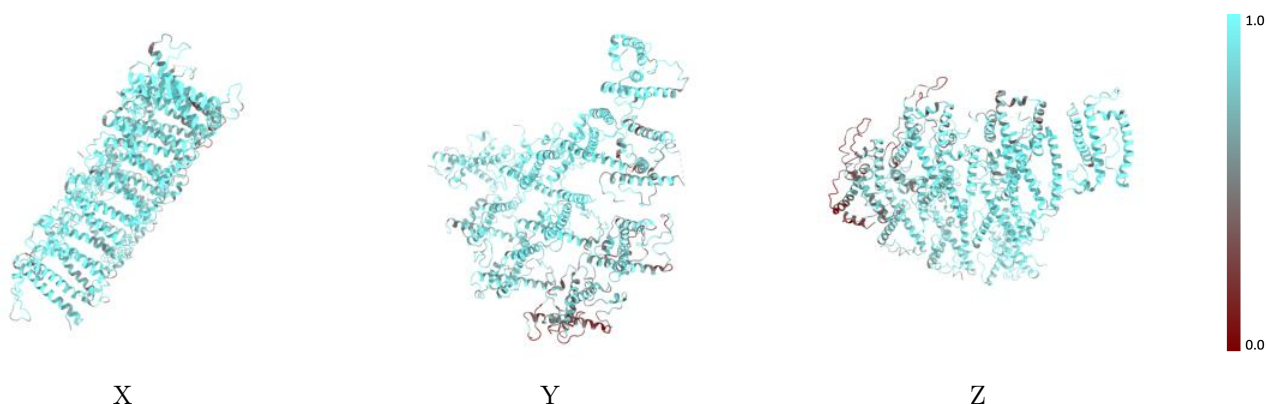
The images above show the 3D surface view of the map at the recommended contour level 0.045 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

9.2 Q-score mapped to coordinate model [\(i\)](#)



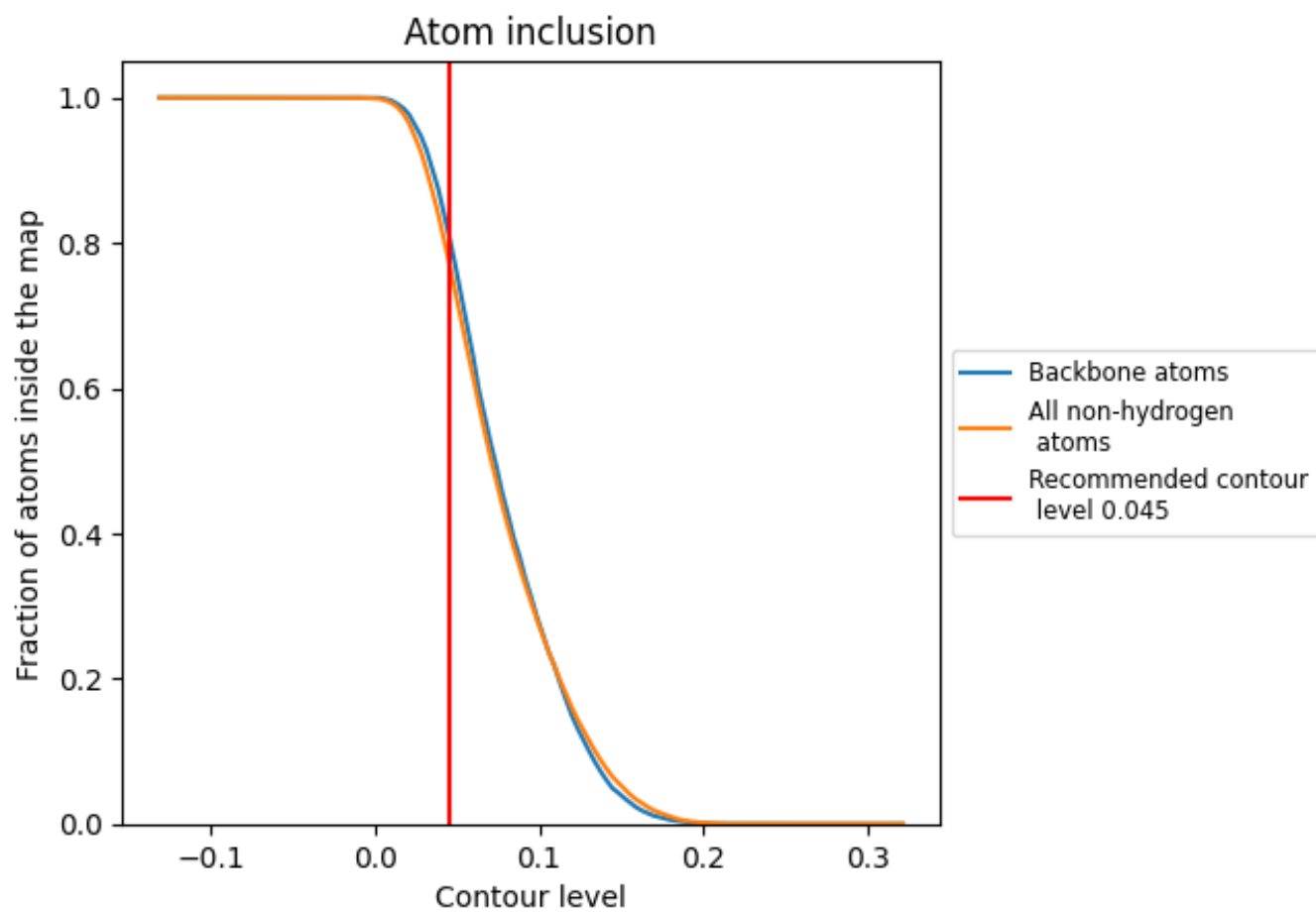
The images above show the model with each residue coloured according to its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions at which atoms can be resolved. Low Q-score values may therefore be expected for many entries.

9.3 Atom inclusion mapped to coordinate model [\(i\)](#)



The images above show the model with each residue coloured according to its atom inclusion. This shows to what extent they are inside the map at the recommended contour level (0.045).























9.4 Atom inclusion [i](#)



At the recommended contour level, 81% of all backbone atoms, 77% of all non-hydrogen atoms, are inside the map.

9.5 Map-model fit summary

The table lists the average atom inclusion at the recommended contour level (0.045) and Q-score for the entire model and for each chain.

| Chain | Atom inclusion | Q-score |
|-------|--|--|
| All |  0.7741 |  0.5630 |
| 10 |  0.8434 |  0.5780 |
| 11 |  0.8120 |  0.5720 |
| 12 |  0.8318 |  0.5990 |
| 13 |  0.6763 |  0.5130 |
| 14 |  0.6570 |  0.5180 |
| 15 |  0.4783 |  0.4670 |
| 16 |  0.7821 |  0.5480 |
| 6 |  0.8431 |  0.5800 |
| 7 |  0.8880 |  0.6240 |
| 8 |  0.9001 |  0.6310 |

